Full wwPDB NMR Structure Validation Report (i)

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PDB ID	:	6TAZ / pdb_00006taz
BMRB ID	:	34443
Title	:	Timeless couples G quadruplex detection with processing by DDX11 during DNA replication
Authors	:	Lerner Koch, L.; Holzer, S.; Kilkenny, M.L.; Murat, P.; Svikovic, S.; Schiavone, D.; Bittleston, A.; Maman, J.D.; Branzei, D.; Stott, K.; Pellegrini, L.; Sale, E.J.
Deposited on	:	2019-10-31

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 (1)) were used in the production of this report:

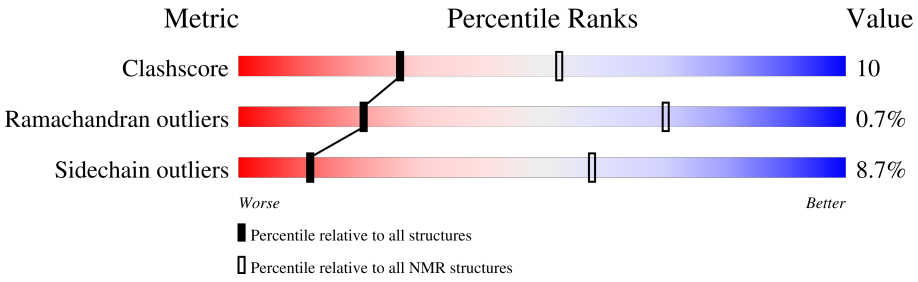
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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

Mol	Chain	Length	Quality of chain
1	B	141	62% 18% • 18%

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 15 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	B:9-B:66 (58)	0.62	15
2	B:74-B:131 (58)	0.67	4

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

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

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

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2338 atoms, of which 1187 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein timeless homolog.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	B	141	2338	720	1187	218	211	2	0

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
B	1	ASP	-	expression tag	UNP Q9UNS1
B	2	PRO	-	expression tag	UNP Q9UNS1

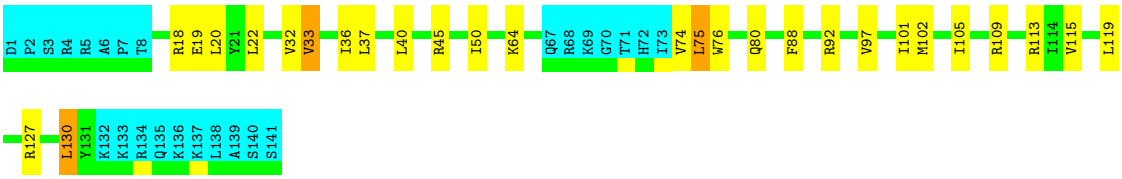
4 Residue-property plots (i)

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: Protein timeless homolog

Chain B:



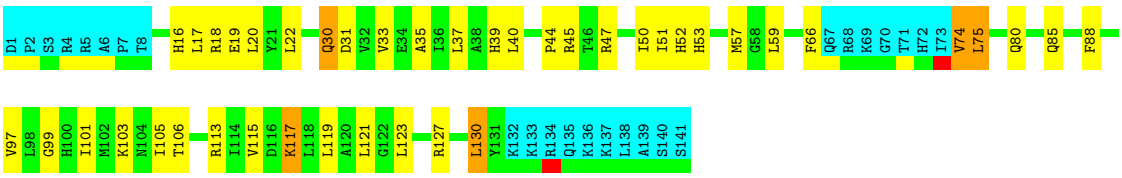
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Protein timeless homolog

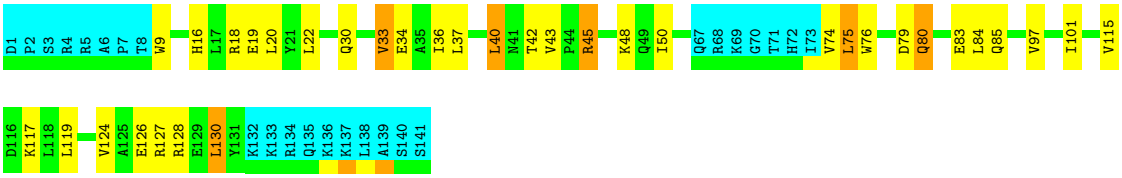
Chain B:



4.2.2 Score per residue for model 2

• Molecule 1: Protein timeless homolog

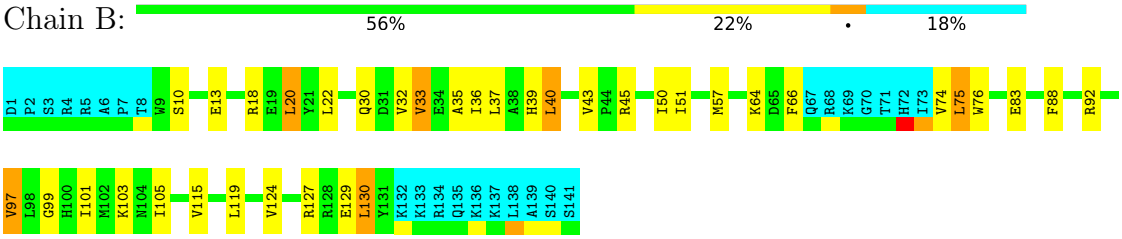
Chain B:



4.2.3 Score per residue for model 3

• Molecule 1: Protein timeless homolog

Chain B:



4.2.4 Score per residue for model 4

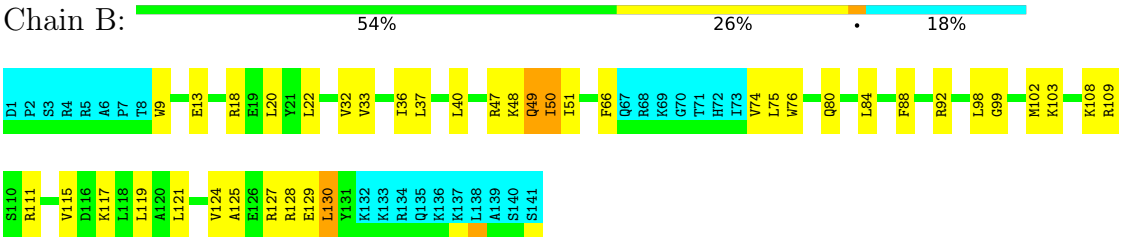
• Molecule 1: Protein timeless homolog

Chain B:

4.2.5 Score per residue for model 5

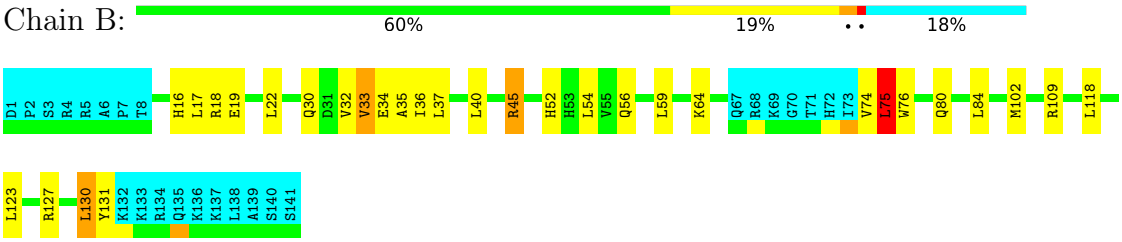
• Molecule 1: Protein timeless homolog

Chain B:



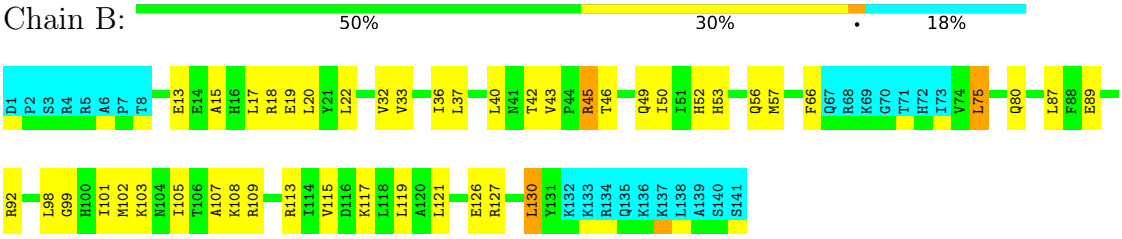
4.2.6 Score per residue for model 6

• Molecule 1: Protein timeless homolog



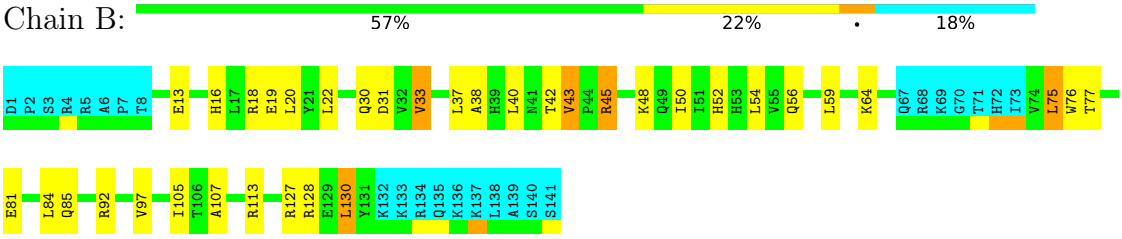
4.2.7 Score per residue for model 7

• Molecule 1: Protein timeless homolog



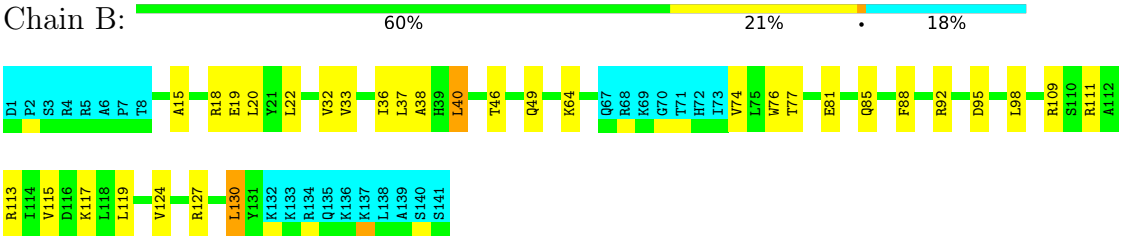
4.2.8 Score per residue for model 8

• Molecule 1: Protein timeless homolog



4.2.9 Score per residue for model 9

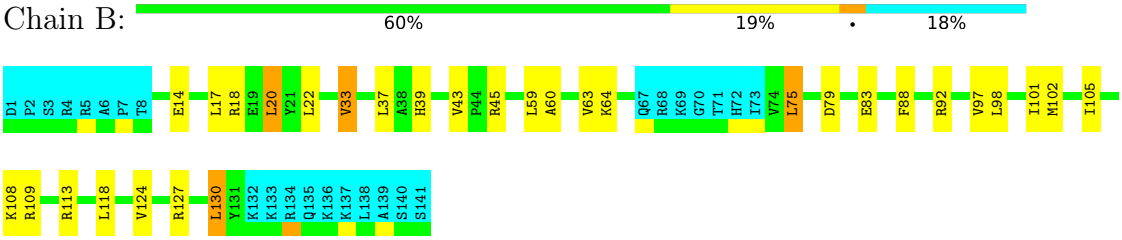
• Molecule 1: Protein timeless homolog



4.2.10 Score per residue for model 10

• Molecule 1: Protein timeless homolog

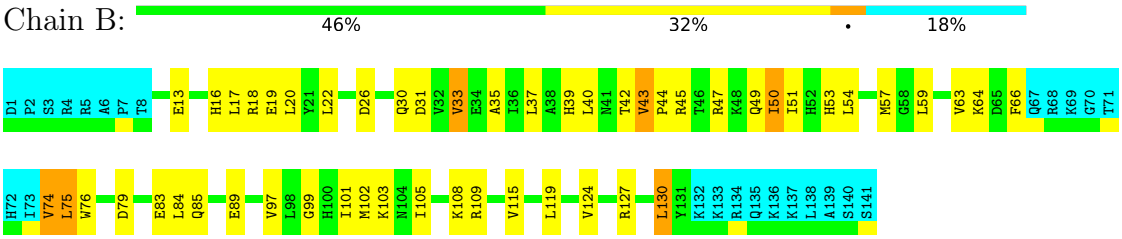
Chain B:



4.2.11 Score per residue for model 11

• Molecule 1: Protein timeless homolog

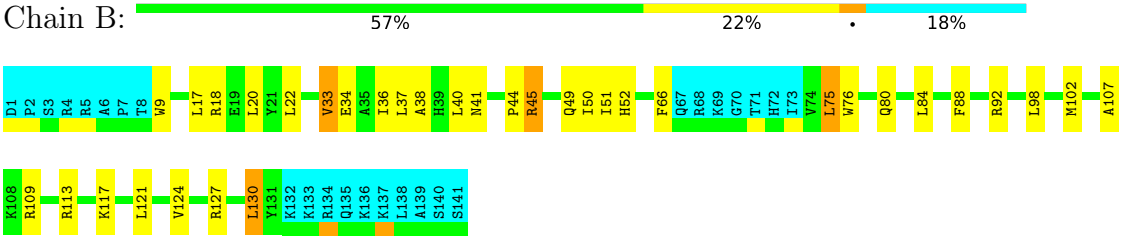
Chain B:



4.2.12 Score per residue for model 12

• Molecule 1: Protein timeless homolog

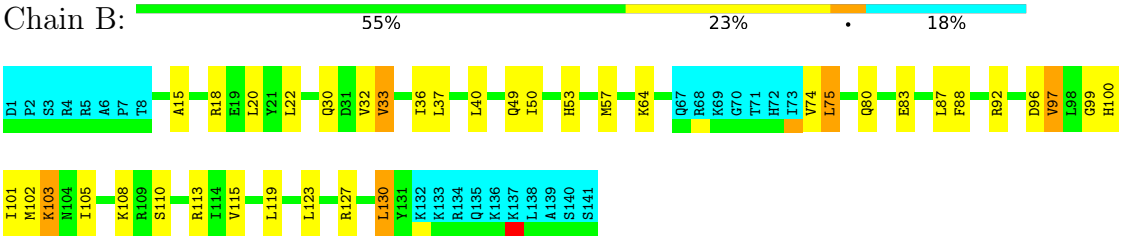
Chain B:



4.2.13 Score per residue for model 13

• Molecule 1: Protein timeless homolog

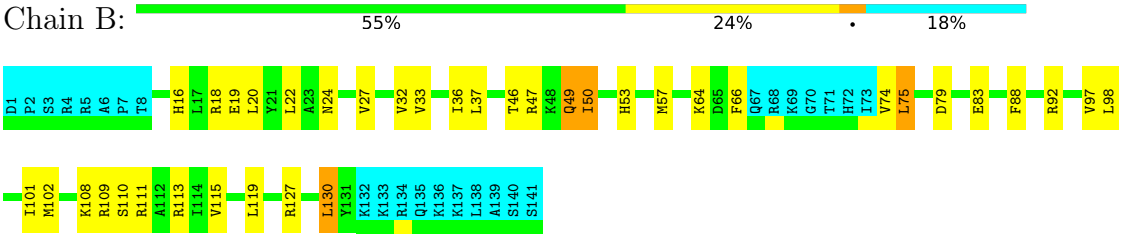
Chain B:



4.2.14 Score per residue for model 14

• Molecule 1: Protein timeless homolog

Chain B:



4.2.15 Score per residue for model 15 (medoid)

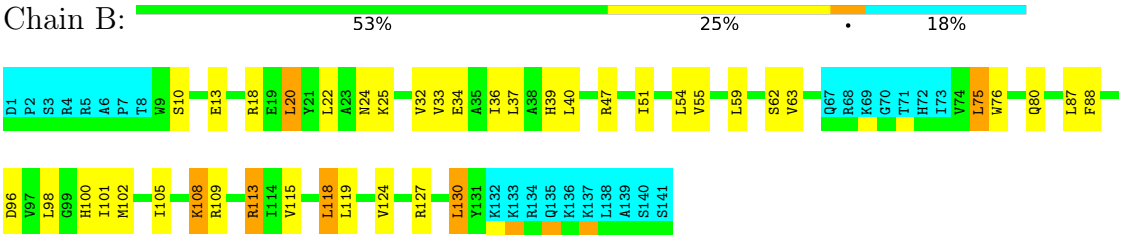
• Molecule 1: Protein timeless homolog

Chain B:

4.2.16 Score per residue for model 16

• Molecule 1: Protein timeless homolog

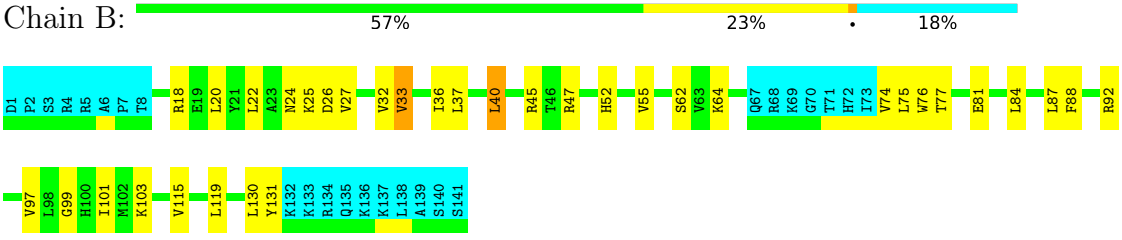
Chain B:



4.2.17 Score per residue for model 17

• Molecule 1: Protein timeless homolog

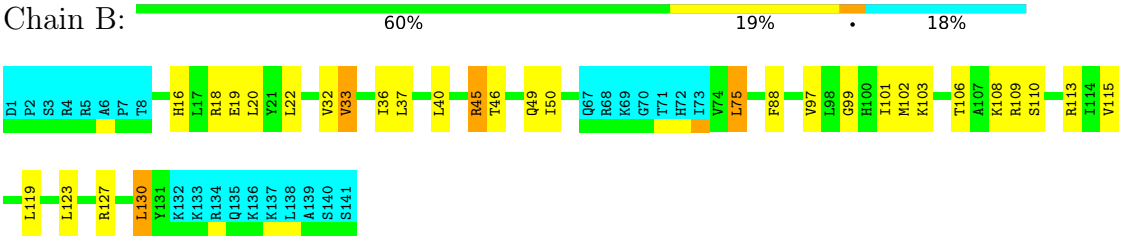
Chain B:



4.2.18 Score per residue for model 18

• Molecule 1: Protein timeless homolog

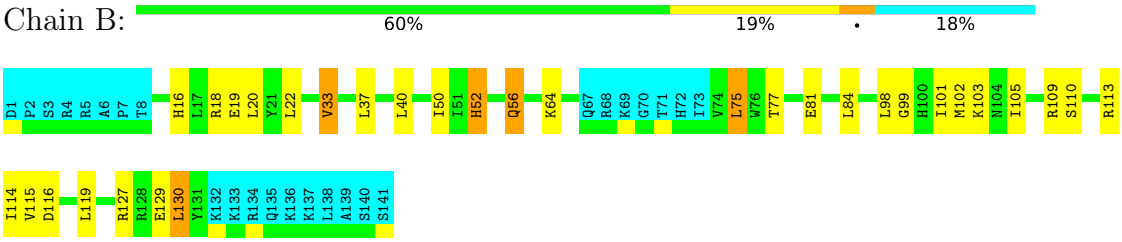
Chain B:



4.2.19 Score per residue for model 19

• Molecule 1: Protein timeless homolog

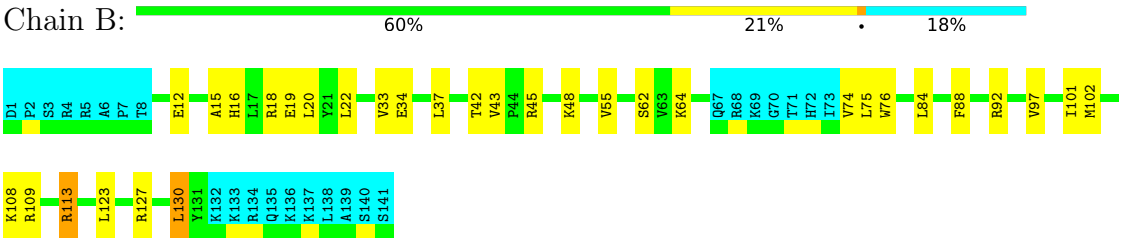
Chain B:



4.2.20 Score per residue for model 20

• Molecule 1: Protein timeless homolog

Chain B:



5 Refinement protocol and experimental data overview

The models were refined using the following method: *torsion angle dynamics*.

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
CNS	refinement	
ARIA	structure calculation	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1830
Number of shifts mapped to atoms	1830
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

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

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	Chirality	Planarity
1	B	0.0±0.0	0.1±0.2
All	All	0	1

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	B	45	ARG	Sidechain	1

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	B	949	962	957	19±4
All	All	18980	19240	19140	382

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 10.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:101:ILE:O	1:B:105:ILE:HB	0.75	1.80	1	3
1:B:45:ARG:CZ	1:B:49:GLN:HB3	0.73	2.14	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:33:VAL:O	1:B:37:LEU:HG	0.73	1.83	18	18
1:B:18:ARG:O	1:B:22:LEU:HG	0.72	1.85	9	20
1:B:43:VAL:HG21	1:B:45:ARG:CZ	0.71	2.16	3	1
1:B:45:ARG:NH2	1:B:49:GLN:HB3	0.70	2.01	12	1
1:B:127:ARG:O	1:B:130:LEU:HG	0.69	1.86	20	19
1:B:101:ILE:O	1:B:105:ILE:HG22	0.66	1.89	13	4
1:B:98:LEU:HD22	1:B:114:ILE:HG21	0.66	1.67	19	1
1:B:98:LEU:O	1:B:102:MET:HG3	0.65	1.92	12	3
1:B:97:VAL:O	1:B:101:ILE:HG13	0.62	1.95	13	9
1:B:51:ILE:HG21	1:B:63:VAL:HG13	0.61	1.73	11	1
1:B:40:LEU:HG	1:B:40:LEU:O	0.61	1.95	1	3
1:B:37:LEU:HD23	1:B:50:ILE:HD13	0.60	1.73	1	2
1:B:113:ARG:O	1:B:113:ARG:HD3	0.60	1.97	18	1
1:B:46:THR:HG22	1:B:49:GLN:NE2	0.60	2.12	14	1
1:B:32:VAL:O	1:B:36:ILE:HG13	0.60	1.96	14	8
1:B:9:TRP:HZ2	1:B:45:ARG:NH1	0.60	1.95	12	1
1:B:76:TRP:CH2	1:B:84:LEU:HD23	0.60	2.32	6	2
1:B:115:VAL:O	1:B:119:LEU:HD23	0.59	1.97	16	14
1:B:99:GLY:O	1:B:103:LYS:HD3	0.58	1.97	19	6
1:B:88:PHE:CE1	1:B:123:LEU:HB3	0.58	2.33	1	2
1:B:43:VAL:HG13	1:B:45:ARG:CZ	0.58	2.28	11	1
1:B:43:VAL:HG23	1:B:44:PRO:HD2	0.58	1.75	11	1
1:B:76:TRP:CE3	1:B:80:GLN:HG2	0.58	2.33	12	1
1:B:32:VAL:O	1:B:36:ILE:HG12	0.57	2.00	9	4
1:B:88:PHE:O	1:B:92:ARG:HB2	0.57	1.99	12	7
1:B:97:VAL:O	1:B:101:ILE:HG12	0.57	2.00	11	2
1:B:42:THR:HG23	1:B:43:VAL:HG12	0.56	1.77	11	1
1:B:113:ARG:HA	1:B:113:ARG:NE	0.56	2.14	10	3
1:B:92:ARG:HA	1:B:97:VAL:HG22	0.56	1.77	8	1
1:B:88:PHE:O	1:B:92:ARG:HG3	0.55	2.01	9	2
1:B:79:ASP:O	1:B:83:GLU:HG3	0.55	2.01	11	4
1:B:110:SER:H	1:B:113:ARG:NH1	0.55	1.99	19	1
1:B:99:GLY:O	1:B:103:LYS:HG2	0.55	2.02	1	2
1:B:53:HIS:O	1:B:57:MET:HB2	0.55	2.02	11	5
1:B:75:LEU:O	1:B:75:LEU:HG	0.54	2.01	11	4
1:B:81:GLU:O	1:B:85:GLN:HB2	0.54	2.03	9	1
1:B:102:MET:HE2	1:B:109:ARG:O	0.53	2.03	4	8
1:B:124:VAL:HG21	1:B:130:LEU:HD21	0.53	1.81	9	2
1:B:18:ARG:HD2	1:B:57:MET:SD	0.53	2.44	7	2
1:B:96:ASP:HB3	1:B:100:HIS:CG	0.53	2.39	13	1
1:B:37:LEU:HD23	1:B:50:ILE:HG13	0.52	1.80	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:76:TRP:CZ3	1:B:80:GLN:HG2	0.52	2.39	12	3
1:B:127:ARG:HA	1:B:130:LEU:HD21	0.52	1.80	7	3
1:B:52:HIS:HB3	1:B:56:GLN:NE2	0.52	2.19	8	2
1:B:88:PHE:CE2	1:B:123:LEU:HB3	0.52	2.40	20	2
1:B:80:GLN:HG3	1:B:109:ARG:NH2	0.51	2.21	4	1
1:B:107:ALA:HB3	1:B:109:ARG:NH2	0.51	2.20	12	1
1:B:124:VAL:HG21	1:B:130:LEU:CD2	0.51	2.35	3	7
1:B:99:GLY:O	1:B:103:LYS:HE3	0.51	2.06	13	1
1:B:84:LEU:HD11	1:B:114:ILE:HG23	0.50	1.83	19	1
1:B:110:SER:O	1:B:113:ARG:HG2	0.50	2.07	14	2
1:B:85:GLN:O	1:B:89:GLU:HG3	0.50	2.07	11	1
1:B:54:LEU:HD22	1:B:59:LEU:HD11	0.49	1.82	11	3
1:B:36:ILE:O	1:B:40:LEU:HG	0.49	2.07	15	7
1:B:31:ASP:OD1	1:B:33:VAL:HG22	0.49	2.08	11	1
1:B:88:PHE:CE2	1:B:118:LEU:HD21	0.49	2.43	15	1
1:B:34:GLU:HA	1:B:37:LEU:HD11	0.49	1.84	2	4
1:B:34:GLU:HA	1:B:37:LEU:CD1	0.49	2.37	12	4
1:B:37:LEU:HB3	1:B:50:ILE:HG13	0.49	1.85	2	2
1:B:126:GLU:CD	1:B:128:ARG:HB3	0.49	2.32	2	1
1:B:92:ARG:HA	1:B:97:VAL:CG1	0.49	2.38	13	1
1:B:118:LEU:HD22	1:B:123:LEU:HD12	0.49	1.85	4	2
1:B:76:TRP:CE2	1:B:117:LYS:HG3	0.48	2.43	15	1
1:B:24:ASN:O	1:B:27:VAL:HG22	0.48	2.07	17	1
1:B:77:THR:O	1:B:81:GLU:HG3	0.48	2.09	17	4
1:B:13:GLU:CD	1:B:42:THR:HG21	0.48	2.34	11	3
1:B:40:LEU:HD12	1:B:40:LEU:O	0.48	2.08	12	1
1:B:96:ASP:HB3	1:B:100:HIS:CD2	0.48	2.44	13	1
1:B:76:TRP:NE1	1:B:109:ARG:HH12	0.48	2.07	9	1
1:B:37:LEU:CD2	1:B:50:ILE:HD13	0.47	2.38	1	2
1:B:98:LEU:HB2	1:B:111:ARG:NH1	0.47	2.24	9	2
1:B:25:LYS:HG3	1:B:26:ASP:OD1	0.47	2.08	17	1
1:B:102:MET:HE1	1:B:109:ARG:O	0.47	2.08	6	1
1:B:37:LEU:HD12	1:B:38:ALA:N	0.47	2.25	8	3
1:B:124:VAL:HG22	1:B:125:ALA:H	0.47	1.70	5	1
1:B:51:ILE:HG23	1:B:66:PHE:CG	0.47	2.45	11	2
1:B:98:LEU:O	1:B:102:MET:HG2	0.47	2.09	10	2
1:B:51:ILE:HG22	1:B:63:VAL:HG12	0.47	1.87	16	1
1:B:84:LEU:HD12	1:B:109:ARG:NH1	0.47	2.25	12	1
1:B:46:THR:OG1	1:B:49:GLN:HG2	0.47	2.10	9	2
1:B:105:ILE:HG13	1:B:106:THR:N	0.46	2.25	1	1
1:B:113:ARG:HA	1:B:113:ARG:HE	0.46	1.68	10	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:16:HIS:HA	1:B:19:GLU:CB	0.46	2.41	11	8
1:B:30:GLN:NE2	1:B:35:ALA:HB2	0.46	2.26	3	1
1:B:113:ARG:HA	1:B:113:ARG:CZ	0.46	2.41	1	1
1:B:47:ARG:N	1:B:47:ARG:HD3	0.46	2.26	17	1
1:B:43:VAL:O	1:B:45:ARG:HD3	0.46	2.11	8	1
1:B:74:VAL:HG21	1:B:109:ARG:CG	0.45	2.41	6	1
1:B:55:VAL:HG11	1:B:62:SER:C	0.45	2.36	17	3
1:B:74:VAL:HG21	1:B:109:ARG:HG2	0.45	1.88	6	1
1:B:9:TRP:CE3	1:B:13:GLU:HG2	0.45	2.47	5	1
1:B:40:LEU:HB2	1:B:45:ARG:NH2	0.45	2.25	6	1
1:B:76:TRP:CH2	1:B:84:LEU:HD22	0.45	2.46	8	3
1:B:51:ILE:HG12	1:B:66:PHE:CD2	0.45	2.46	1	2
1:B:33:VAL:HG23	1:B:37:LEU:HD11	0.45	1.88	18	1
1:B:105:ILE:HG23	1:B:107:ALA:O	0.45	2.11	7	2
1:B:105:ILE:HG12	1:B:109:ARG:NH2	0.45	2.26	4	2
1:B:88:PHE:CE1	1:B:118:LEU:HD21	0.45	2.47	16	2
1:B:75:LEU:HD12	1:B:75:LEU:O	0.45	2.11	6	1
1:B:37:LEU:HD23	1:B:50:ILE:HB	0.45	1.89	13	2
1:B:45:ARG:HH11	1:B:45:ARG:HG3	0.45	1.71	12	1
1:B:15:ALA:O	1:B:18:ARG:HG2	0.44	2.12	13	1
1:B:117:LYS:O	1:B:121:LEU:HD13	0.44	2.12	15	5
1:B:17:LEU:HD11	1:B:50:ILE:HG23	0.44	1.89	12	1
1:B:17:LEU:CD2	1:B:53:HIS:HB2	0.44	2.42	7	2
1:B:43:VAL:HG21	1:B:45:ARG:NH1	0.44	2.27	3	1
1:B:74:VAL:O	1:B:76:TRP:HD1	0.44	1.95	11	1
1:B:83:GLU:O	1:B:87:LEU:HB2	0.44	2.13	13	1
1:B:15:ALA:O	1:B:19:GLU:HB2	0.43	2.13	9	3
1:B:92:ARG:NH2	1:B:129:GLU:HB3	0.43	2.28	5	1
1:B:87:LEU:CD2	1:B:101:ILE:HG12	0.43	2.43	13	1
1:B:88:PHE:HA	1:B:97:VAL:HG23	0.43	1.89	13	1
1:B:16:HIS:O	1:B:19:GLU:HB3	0.43	2.13	8	6
1:B:30:GLN:OE1	1:B:35:ALA:HB2	0.43	2.14	4	2
1:B:46:THR:OG1	1:B:49:GLN:HG3	0.43	2.13	18	1
1:B:13:GLU:OE2	1:B:42:THR:HG21	0.43	2.13	11	1
1:B:37:LEU:CD2	1:B:47:ARG:HA	0.43	2.43	16	1
1:B:35:ALA:O	1:B:39:HIS:HD2	0.43	1.96	1	2
1:B:45:ARG:CZ	1:B:50:ILE:HD11	0.43	2.44	8	1
1:B:37:LEU:CD2	1:B:50:ILE:HB	0.43	2.43	19	3
1:B:76:TRP:HE1	1:B:113:ARG:NE	0.43	2.12	16	1
1:B:57:MET:HB2	1:B:59:LEU:CD2	0.43	2.44	1	1
1:B:33:VAL:HG22	1:B:66:PHE:CD1	0.43	2.49	4	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:130:LEU:N	1:B:130:LEU:HD23	0.43	2.29	12	1
1:B:124:VAL:HG21	1:B:130:LEU:HD22	0.42	1.89	10	2
1:B:37:LEU:HD21	1:B:47:ARG:HA	0.42	1.90	1	2
1:B:43:VAL:HB	1:B:45:ARG:CD	0.42	2.44	8	1
1:B:10:SER:OG	1:B:13:GLU:HB2	0.42	2.14	3	2
1:B:87:LEU:CD2	1:B:101:ILE:HG23	0.42	2.43	16	1
1:B:33:VAL:HG22	1:B:66:PHE:HD2	0.42	1.75	12	1
1:B:48:LYS:HE2	1:B:49:GLN:OE1	0.42	2.15	5	1
1:B:54:LEU:CD2	1:B:59:LEU:HD11	0.42	2.45	11	2
1:B:52:HIS:O	1:B:56:GLN:HB2	0.42	2.15	19	2
1:B:113:ARG:NE	1:B:113:ARG:CA	0.42	2.82	7	1
1:B:24:ASN:O	1:B:27:VAL:HG12	0.42	2.15	14	1
1:B:76:TRP:HA	1:B:80:GLN:NE2	0.42	2.30	2	1
1:B:20:LEU:HD11	1:B:39:HIS:HB2	0.42	1.92	3	3
1:B:88:PHE:CD1	1:B:123:LEU:HD13	0.42	2.50	15	1
1:B:96:ASP:O	1:B:100:HIS:HD2	0.41	1.98	16	1
1:B:130:LEU:HD23	1:B:130:LEU:N	0.41	2.30	15	1
1:B:30:GLN:HG2	1:B:31:ASP:N	0.41	2.30	1	2
1:B:102:MET:HE3	1:B:109:ARG:O	0.41	2.16	16	1
1:B:74:VAL:O	1:B:76:TRP:N	0.41	2.53	2	1
1:B:34:GLU:O	1:B:38:ALA:HB3	0.41	2.16	4	1
1:B:9:TRP:CZ2	1:B:45:ARG:HD3	0.41	2.51	2	1
1:B:47:ARG:O	1:B:51:ILE:HG13	0.41	2.16	5	1
1:B:98:LEU:HB2	1:B:111:ARG:CZ	0.41	2.46	5	1
1:B:76:TRP:CZ2	1:B:117:LYS:HG2	0.41	2.51	9	1
1:B:124:VAL:HG21	1:B:129:GLU:HB2	0.41	1.92	5	1
1:B:16:HIS:HA	1:B:19:GLU:HB3	0.41	1.92	14	2
1:B:37:LEU:HD13	1:B:47:ARG:HD2	0.41	1.92	14	1
1:B:74:VAL:HG22	1:B:80:GLN:HE22	0.40	1.76	1	1
1:B:18:ARG:HD3	1:B:57:MET:SD	0.40	2.56	3	1
1:B:87:LEU:HD23	1:B:101:ILE:HG23	0.40	1.92	7	1
1:B:84:LEU:HD12	1:B:84:LEU:O	0.40	2.17	11	1
1:B:127:ARG:HB3	1:B:131:TYR:CE2	0.40	2.51	6	1
1:B:89:GLU:OE1	1:B:92:ARG:HD2	0.40	2.16	7	1
1:B:59:LEU:HD12	1:B:60:ALA:N	0.40	2.31	10	1
1:B:9:TRP:CH2	1:B:43:VAL:HG21	0.40	2.51	15	1
1:B:14:GLU:O	1:B:17:LEU:HB2	0.40	2.15	10	1
1:B:43:VAL:HG21	1:B:45:ARG:NE	0.40	2.31	10	1
1:B:87:LEU:CD2	1:B:105:ILE:HB	0.40	2.46	7	1
1:B:108:LYS:N	1:B:108:LYS:HE3	0.40	2.31	16	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	B	116/141 (82%)	110±2 (95±1%)	6±2 (5±2%)	1±0 (1±0%)	20	70
All	All	2320/2820 (82%)	2194 (95%)	110 (5%)	16 (1%)	20	70

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	B	75	LEU	16

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	B	102/124 (82%)	93±2 (91±2%)	9±2 (9±2%)	12	58
All	All	2040/2480 (82%)	1863 (91%)	177 (9%)	12	58

All 41 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	B	130	LEU	20
1	B	20	LEU	19
1	B	75	LEU	13
1	B	33	VAL	12
1	B	40	LEU	12
1	B	74	VAL	10
1	B	108	LYS	9
1	B	45	ARG	7
1	B	52	HIS	6
1	B	80	GLN	6

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Mol	Chain	Res	Type	Models (Total)
1	B	50	ILE	6
1	B	113	ARG	5
1	B	30	GLN	4
1	B	85	GLN	4
1	B	43	VAL	4
1	B	49	GLN	4
1	B	64	LYS	4
1	B	48	LYS	3
1	B	117	LYS	2
1	B	42	THR	2
1	B	97	VAL	2
1	B	66	PHE	2
1	B	17	LEU	2
1	B	118	LEU	2
1	B	84	LEU	1
1	B	83	GLU	1
1	B	63	VAL	1
1	B	26	ASP	1
1	B	41	ASN	1
1	B	102	MET	1
1	B	103	LYS	1
1	B	98	LEU	1
1	B	109	ARG	1
1	B	24	ASN	1
1	B	25	LYS	1
1	B	87	LEU	1
1	B	131	TYR	1
1	B	106	THR	1
1	B	56	GLN	1
1	B	116	ASP	1
1	B	12	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

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 91% for the well-defined parts and 89% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *templateNEWEST.str*

7.1.1 Bookkeeping

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

Total number of shifts	1830
Number of shifts mapped to atoms	1830
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	5

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	140	-0.40 ± 0.14	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	134	0.03 ± 0.09	None needed (< 0.5 ppm)
$^{13}C'$	134	0.08 ± 0.06	None needed (< 0.5 ppm)
^{15}N	136	-0.04 ± 0.31	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. 1535 atoms were assigned a chemical shift out of a possible 1687. 0 out of 27 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	579/581 (100%)	235/235 (100%)	230/232 (99%)	114/114 (100%)
Sidechain	866/994 (87%)	592/644 (92%)	263/306 (86%)	11/44 (25%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	90/112 (80%)	45/55 (82%)	43/45 (96%)	2/12 (17%)
Overall	1535/1687 (91%)	872/934 (93%)	536/583 (92%)	127/170 (75%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 89%, i.e. 1830 atoms were assigned a chemical shift out of a possible 2054. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	692/703 (98%)	282/284 (99%)	274/282 (97%)	136/137 (99%)
Sidechain	1044/1231 (85%)	712/794 (90%)	319/374 (85%)	13/63 (21%)
Aromatic	94/120 (78%)	47/59 (80%)	45/47 (96%)	2/14 (14%)
Overall	1830/2054 (89%)	1041/1137 (92%)	638/703 (91%)	151/214 (71%)

7.1.4 Statistically unusual chemical shifts (i)

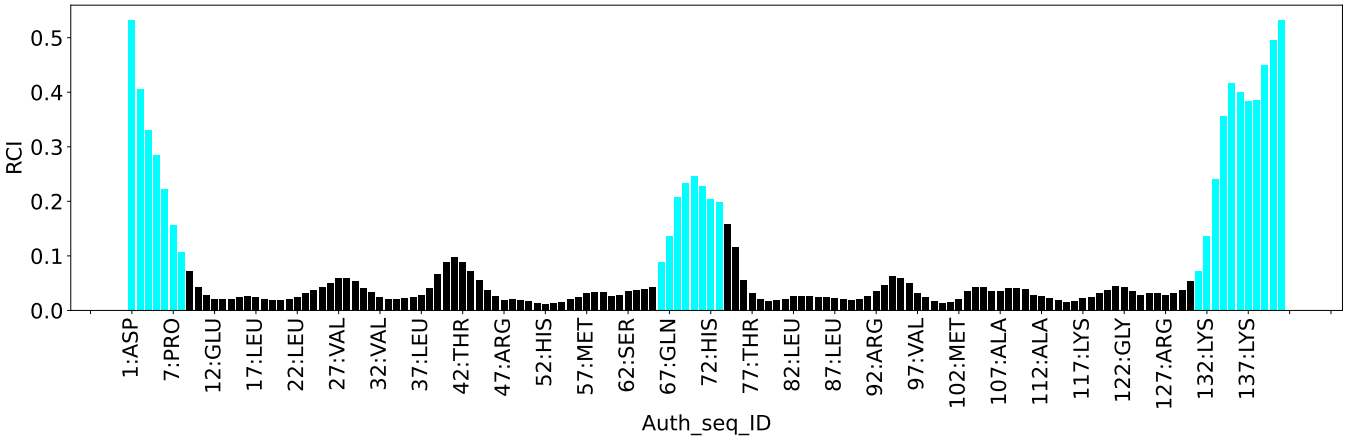
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	B	117	LYS	HG2	-0.95	0.13 – 2.61	-9.3
1	B	117	LYS	HG3	-0.95	0.04 – 2.67	-8.8
1	B	100	HIS	HB2	0.99	1.36 – 4.85	-6.1
1	B	90	GLU	HG2	1.02	1.24 – 3.30	-6.0
1	B	117	LYS	HD2	0.56	0.58 – 2.64	-5.1

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 B:


RCI
0.0
0.1
0.2
0.3
0.4
0.5
1:ASP
7:PRO
12:GLU
17:LEU
22:LEU
27:VAL
32:VAL
37:LEU
42:THR
47:ARG
52:HIS
57:MET
62:SER
67:GLN
72:HIS
77:THR
82:LEU
87:LEU
92:ARG
97:VAL
102:MET
107:ALA
112:ALA
117:LYS
122:GLY
127:ARG
132:LYS
137:LYS
Auth_seq_ID

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	4730
Intra-residue (|i-j|=0)	1612
Sequential (|i-j|=1)	1084
Medium range (|i-j|>1 and |i-j|<5)	986
Long range (|i-j|≥5)	1048
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	210
Number of unmapped restraints	0
Number of restraints per residue	35.0
Number of long range restraints per residue[1]	7.4

[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)	90.5	0.2
0.2-0.5 (Medium)	164.5	0.5
>0.5 (Large)	434.2	14.51

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)	1.4	10.0
10.0-20.0 (Medium)	2.7	19.9
>20.0 (Large)	0.5	23.38

9 Distance violation analysis (i)

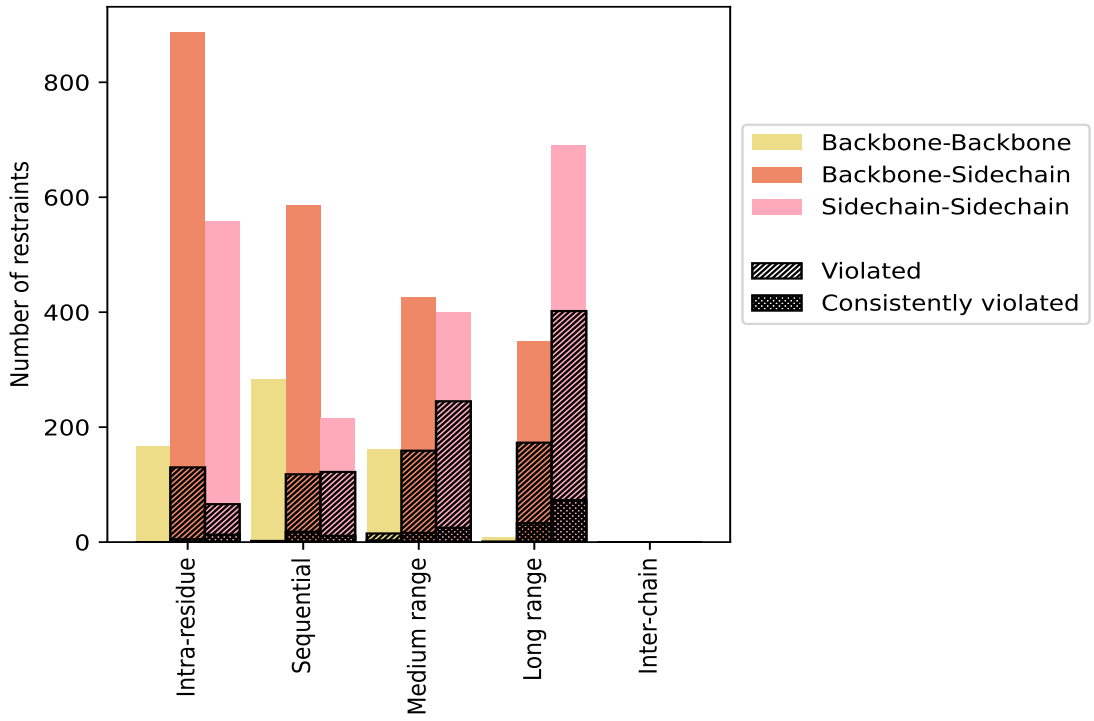
9.1 Summary of distance violations (i)

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)	1612	34.1	196	12.2	4.1	18	1.1	0.4
Backbone-Backbone	167	3.5	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	887	18.8	130	14.7	2.7	5	0.6	0.1
Sidechain-Sidechain	558	11.8	66	11.8	1.4	13	2.3	0.3
Sequential (|i-j|=1)	1084	22.9	242	22.3	5.1	29	2.7	0.6
Backbone-Backbone	283	6.0	2	0.7	0.0	0	0.0	0.0
Backbone-Sidechain	586	12.4	118	20.1	2.5	18	3.1	0.4
Sidechain-Sidechain	215	4.5	122	56.7	2.6	11	5.1	0.2
Medium range (|i-j|>1 & |i-j|<5)	986	20.8	419	42.5	8.9	44	4.5	0.9
Backbone-Backbone	161	3.4	15	9.3	0.3	3	1.9	0.1
Backbone-Sidechain	426	9.0	159	37.3	3.4	16	3.8	0.3
Sidechain-Sidechain	399	8.4	245	61.4	5.2	25	6.3	0.5
Long range (|i-j|≥5)	1048	22.2	576	55.0	12.2	106	10.1	2.2
Backbone-Backbone	8	0.2	1	12.5	0.0	0	0.0	0.0
Backbone-Sidechain	350	7.4	173	49.4	3.7	33	9.4	0.7
Sidechain-Sidechain	690	14.6	402	58.3	8.5	73	10.6	1.5
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	4730	100.0	1433	30.3	30.3	197	4.2	4.2
Backbone-Backbone	619	13.1	18	2.9	0.4	3	0.5	0.1
Backbone-Sidechain	2249	47.5	580	25.8	12.3	72	3.2	1.5
Sidechain-Sidechain	1862	39.4	835	44.8	17.7	122	6.6	2.6

[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	91	122	186	287	0	686	1.11	10.81	1.34	0.72
2	83	116	184	271	0	654	1.05	13.7	1.34	0.69
3	81	131	206	292	0	710	1.12	10.46	1.35	0.74
4	89	117	214	279	0	699	1.13	10.68	1.4	0.73
5	78	110	195	297	0	680	1.09	11.18	1.34	0.7
6	96	117	207	294	0	714	1.08	9.79	1.28	0.71
7	104	135	211	290	0	740	1.13	14.41	1.48	0.7
8	74	106	211	313	0	704	1.12	12.91	1.41	0.74
9	80	112	195	295	0	682	1.15	11.51	1.33	0.77
10	86	125	207	289	0	707	1.12	13.84	1.47	0.67

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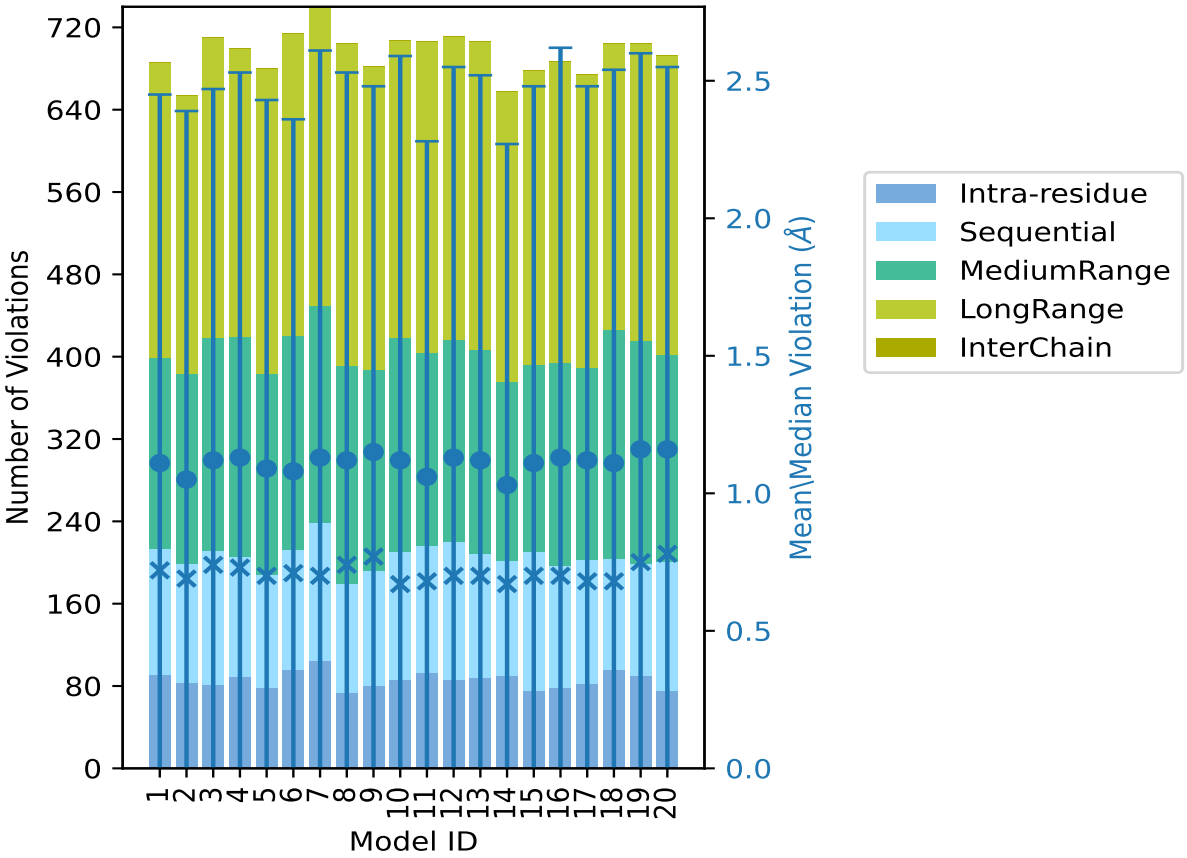
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	93	123	188	302	0	706	1.06	10.87	1.22	0.68
12	86	134	196	295	0	711	1.13	11.62	1.42	0.7
13	88	120	199	299	0	706	1.12	12.6	1.4	0.7
14	90	112	174	282	0	658	1.03	11.34	1.24	0.67
15	75	136	181	286	0	678	1.11	10.13	1.37	0.7
16	78	119	197	293	0	687	1.13	14.51	1.49	0.7
17	82	121	186	285	0	674	1.12	11.39	1.36	0.68
18	96	108	222	278	0	704	1.11	12.91	1.43	0.68
19	90	109	217	288	0	704	1.16	14.2	1.44	0.75
20	75	126	201	291	0	693	1.16	11.98	1.39	0.78

[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

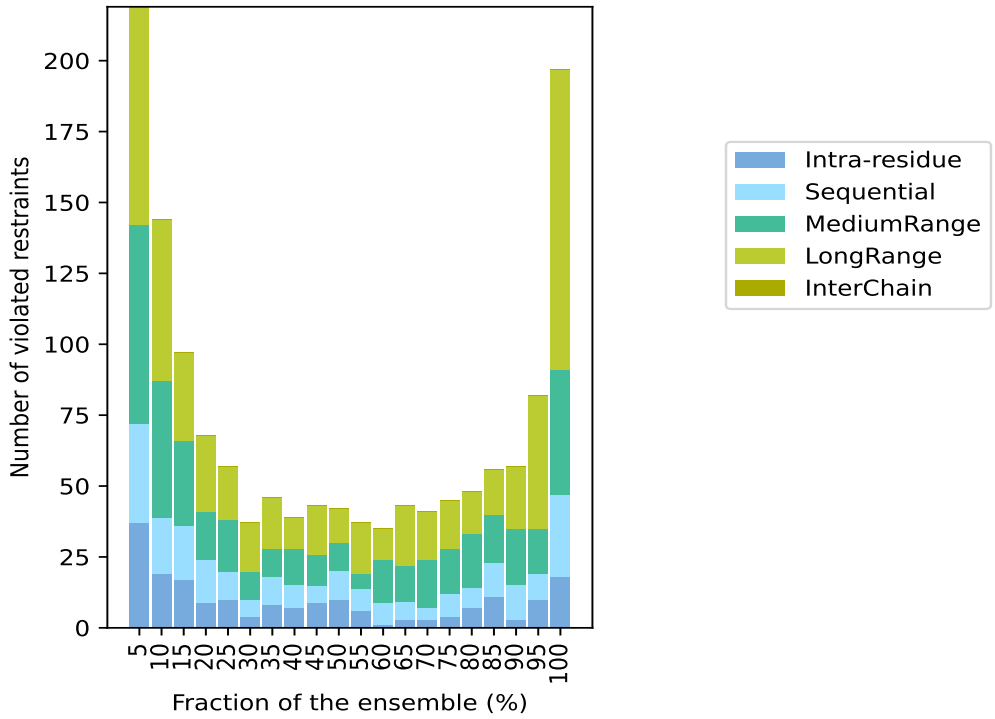
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 3297(IR:1416, SQ:842, MR:567, LR:472, 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]	%
37	35	70	77	0	219	1	5.0
19	20	48	57	0	144	2	10.0
17	19	30	31	0	97	3	15.0
9	15	17	27	0	68	4	20.0
10	10	18	19	0	57	5	25.0
4	6	10	17	0	37	6	30.0
8	10	10	18	0	46	7	35.0
7	8	13	11	0	39	8	40.0
9	6	11	17	0	43	9	45.0
10	10	10	12	0	42	10	50.0
6	8	5	18	0	37	11	55.0
1	8	15	11	0	35	12	60.0
3	6	13	21	0	43	13	65.0
3	4	17	17	0	41	14	70.0
4	8	16	17	0	45	15	75.0
7	7	19	15	0	48	16	80.0
11	12	17	16	0	56	17	85.0
3	12	20	22	0	57	18	90.0
10	9	16	47	0	82	19	95.0
18	29	44	106	0	197	20	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

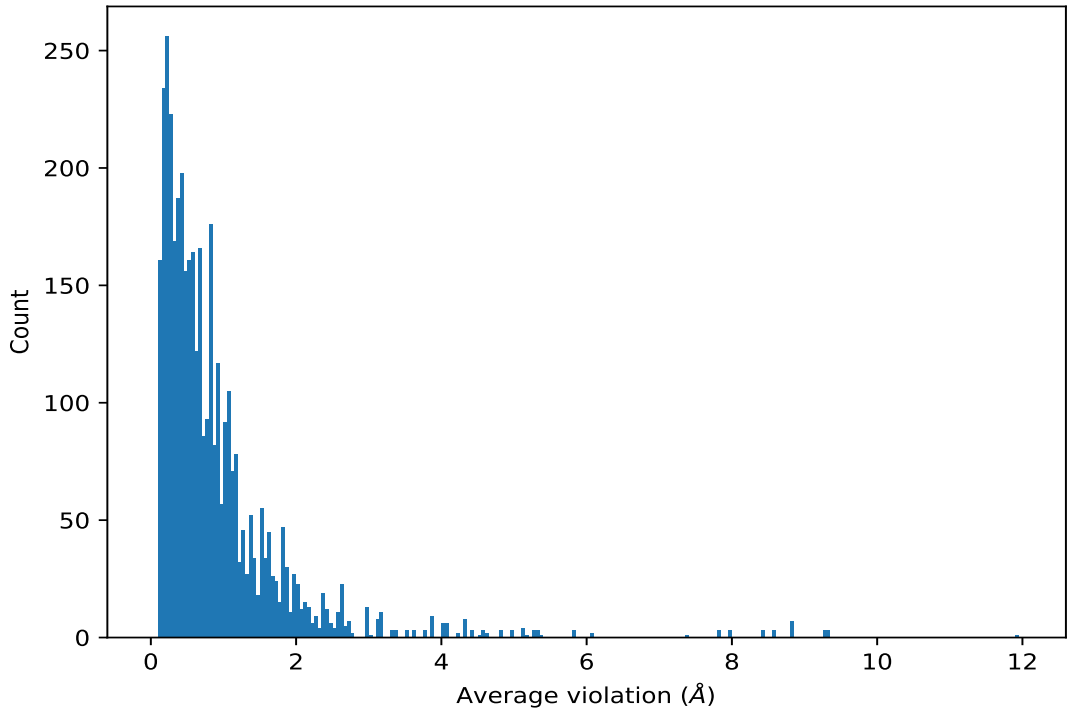
9.3.1 Bar graph : Distance violation statistics for the ensemble



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)
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	20	11.94	1.35	11.56
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	20	9.33	0.63	9.38
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	20	9.33	0.63	9.38
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	20	9.33	0.63	9.38
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	20	9.25	0.7	9.12
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	20	9.25	0.7	9.12
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	20	9.25	0.7	9.12
(3,1208)	1:73:B:ILE:HG23	1:127:B:ARG:HD2	20	8.8	0.67	8.74
(3,1208)	1:73:B:ILE:HG23	1:88:B:PHE:HB3	20	8.8	0.67	8.74
(3,1208)	1:73:B:ILE:HG22	1:127:B:ARG:HD2	20	8.8	0.67	8.74
(3,1208)	1:73:B:ILE:HG22	1:88:B:PHE:HB3	20	8.8	0.67	8.74
(3,1208)	1:73:B:ILE:HG21	1:127:B:ARG:HD3	20	8.8	0.67	8.74
(3,1208)	1:73:B:ILE:HG21	1:127:B:ARG:HD2	20	8.8	0.67	8.74
(3,1208)	1:73:B:ILE:HG21	1:88:B:PHE:HB3	20	8.8	0.67	8.74
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	20	8.59	0.67	8.56
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	20	8.59	0.67	8.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	20	8.59	0.67	8.56
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	20	8.45	0.63	8.38
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	20	8.45	0.63	8.38
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	20	8.45	0.63	8.38
(3,1204)	1:73:B:ILE:HD13	1:88:B:PHE:HB3	20	7.97	0.86	8.26
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	20	7.97	0.86	8.26
(3,1204)	1:73:B:ILE:HD11	1:88:B:PHE:HB3	20	7.97	0.86	8.26
(1,1824)	1:73:B:ILE:HD11	1:85:B:GLN:HB2	20	7.84	0.76	7.89
(1,1824)	1:73:B:ILE:HD12	1:85:B:GLN:HB2	20	7.84	0.76	7.89
(1,1824)	1:73:B:ILE:HD13	1:85:B:GLN:HB2	20	7.84	0.76	7.89
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	20	7.38	0.88	7.45
(3,882)	1:11:B:PRO:HG3	1:57:B:MET:HB3	20	6.1	0.92	6.18
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	20	6.1	0.92	6.18
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	20	5.84	1.18	5.96
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	20	5.84	1.18	5.96
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	20	5.84	1.18	5.96
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	20	5.39	0.54	5.51
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	20	5.34	1.1	5.49
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	20	5.34	1.1	5.49
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	20	5.34	1.1	5.49
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	20	5.16	1.68	5.14
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD2	20	5.13	0.86	4.95
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD2	20	5.13	0.86	4.95
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD3	20	5.13	0.86	4.95
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD3	20	5.13	0.86	4.95
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	20	4.97	1.56	5.42
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	20	4.97	1.56	5.42
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	20	4.97	1.56	5.42
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	20	4.84	3.07	6.74
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HB3	20	4.84	3.07	6.74
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	20	4.84	0.88	4.99
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	20	4.61	0.48	4.54
(3,1138)	1:72:B:HIS:HB2	1:117:B:LYS:HB3	20	4.61	0.48	4.54
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	20	4.59	0.38	4.7
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	20	4.59	0.38	4.7
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	20	4.59	0.38	4.7
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	20	4.5	1.89	5.0
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG22	20	4.32	0.3	4.36
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG22	20	4.32	0.3	4.36
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG21	20	4.32	0.3	4.36
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG12	20	4.32	0.3	4.36
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG23	20	4.32	0.3	4.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG21	20	4.32	0.3	4.36
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG23	20	4.32	0.3	4.36
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG13	20	4.32	0.3	4.36
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB2	20	4.22	0.41	4.21
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	20	4.22	0.41	4.21
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	20	4.07	0.36	4.11
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	20	4.07	0.36	4.11
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	20	4.07	0.36	4.11
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	20	3.88	1.71	3.67
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	20	3.88	1.71	3.67
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	20	3.88	1.71	3.67
(3,1191)	1:73:B:ILE:HG23	1:117:B:LYS:HB3	20	3.79	0.78	3.92
(3,1191)	1:73:B:ILE:HG22	1:117:B:LYS:HB3	20	3.79	0.78	3.92
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	20	3.79	0.78	3.92
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	20	3.63	0.4	3.68
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	20	3.63	0.4	3.68
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	20	3.63	0.4	3.68
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	20	3.53	0.29	3.54
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	20	3.53	0.29	3.54
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	20	3.53	0.29	3.54
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	20	3.36	1.14	3.72
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	20	3.36	1.14	3.72
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	20	3.36	1.14	3.72
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	20	3.17	0.73	3.17
(3,1140)	1:76:B:TRP:HB3	1:83:B:GLU:HB3	20	3.17	0.73	3.17
(3,1206)	1:73:B:ILE:HD13	1:80:B:GLN:HG2	20	2.99	0.74	2.74
(3,1206)	1:73:B:ILE:HD12	1:80:B:GLN:HG2	20	2.99	0.74	2.74
(3,1206)	1:73:B:ILE:HD11	1:80:B:GLN:HG2	20	2.99	0.74	2.74
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	20	2.95	0.83	3.34
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	20	2.95	0.83	3.34
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	20	2.95	0.83	3.34
(3,1237)	1:46:B:THR:HG23	1:53:B:HIS:HE1	20	2.95	1.1	3.32
(3,1237)	1:46:B:THR:HG21	1:53:B:HIS:HE1	20	2.95	1.1	3.32
(3,1237)	1:77:B:THR:HG21	1:84:B:LEU:H	20	2.95	1.1	3.32
(3,1237)	1:46:B:THR:HG22	1:53:B:HIS:HE1	20	2.95	1.1	3.32
(3,1237)	1:77:B:THR:HG23	1:84:B:LEU:H	20	2.95	1.1	3.32
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	20	2.95	0.46	2.98
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG2	20	2.95	0.46	2.98
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	20	2.78	1.13	3.24
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	20	2.78	1.13	3.24
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	20	2.72	0.63	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	20	2.72	0.63	2.95

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	20	2.72	0.63	2.95
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	20	2.7	0.83	2.4
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD13	20	2.7	0.83	2.4
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD11	20	2.7	0.83	2.4
(3,237)	1:110:B:SER:H	1:105:B:ILE:HD11	20	2.7	0.83	2.4
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	20	2.67	0.84	2.9
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	20	2.67	0.84	2.9
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	20	2.67	0.84	2.9
(3,1594)	1:38:B:ALA:HB1	1:36:B:ILE:HG21	20	2.61	0.18	2.68
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG23	20	2.61	0.18	2.68
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG23	20	2.61	0.18	2.68
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG21	20	2.61	0.18	2.68
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG22	20	2.61	0.18	2.68
(3,1594)	1:38:B:ALA:HB1	1:36:B:ILE:HG22	20	2.61	0.18	2.68
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG21	20	2.61	0.18	2.68
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG22	20	2.61	0.18	2.68
(3,1464)	1:50:B:ILE:HG23	1:49:B:GLN:HG2	20	2.56	0.37	2.59
(3,1464)	1:50:B:ILE:HG21	1:49:B:GLN:HG2	20	2.56	0.37	2.59
(3,1464)	1:50:B:ILE:HG22	1:49:B:GLN:HG2	20	2.56	0.37	2.59
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	20	2.56	1.01	2.49
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	20	2.43	0.6	2.53
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	20	2.43	0.6	2.53
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	20	2.43	0.6	2.53
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	20	2.43	0.6	2.53
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	20	2.43	0.6	2.53
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	20	2.43	0.6	2.53
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	20	2.43	0.6	2.53
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	20	2.43	0.6	2.53
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	20	2.43	0.6	2.53
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	20	2.43	0.66	2.6
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	20	2.43	0.66	2.6
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	20	2.43	0.66	2.6
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	20	2.4	0.52	2.66
(3,73)	1:36:B:ILE:H	1:17:B:LEU:HD22	20	2.38	0.88	2.73
(3,73)	1:36:B:ILE:H	1:17:B:LEU:HD23	20	2.38	0.88	2.73
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD11	20	2.38	0.88	2.73
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD12	20	2.38	0.88	2.73
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD13	20	2.38	0.88	2.73
(3,826)	1:105:B:ILE:HG23	1:102:B:MET:HE2	20	2.36	0.36	2.42
(3,826)	1:105:B:ILE:HG22	1:102:B:MET:HE1	20	2.36	0.36	2.42
(3,826)	1:105:B:ILE:HG23	1:102:B:MET:HE1	20	2.36	0.36	2.42
(3,826)	1:105:B:ILE:HG23	1:102:B:MET:HE3	20	2.36	0.36	2.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,826)	1:105:B:ILE:HG22	1:102:B:MET:HE3	20	2.36	0.36	2.42
(3,826)	1:105:B:ILE:HG22	1:87:B:LEU:HG	20	2.36	0.36	2.42
(3,826)	1:105:B:ILE:HG21	1:87:B:LEU:HG	20	2.36	0.36	2.42
(3,826)	1:105:B:ILE:HG23	1:87:B:LEU:HG	20	2.36	0.36	2.42
(3,826)	1:105:B:ILE:HG21	1:102:B:MET:HE2	20	2.36	0.36	2.42
(3,634)	1:119:B:LEU:HD12	1:88:B:PHE:HZ	20	2.31	0.37	2.34
(3,634)	1:119:B:LEU:HD13	1:88:B:PHE:HZ	20	2.31	0.37	2.34
(3,634)	1:119:B:LEU:HD11	1:88:B:PHE:HZ	20	2.31	0.37	2.34
(3,634)	1:119:B:LEU:HD11	1:131:B:TYR:HD2	20	2.31	0.37	2.34
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE1	20	2.29	0.41	2.38
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE2	20	2.29	0.41	2.38
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE3	20	2.29	0.41	2.38
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG3	20	2.25	0.13	2.2
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG3	20	2.25	0.13	2.2
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG3	20	2.25	0.13	2.2
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	20	2.25	0.13	2.2
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	20	2.25	0.13	2.2
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	20	2.25	0.13	2.2
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD12	20	2.18	0.98	2.26
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD11	20	2.18	0.98	2.26
(3,689)	1:33:B:VAL:HG21	1:54:B:LEU:HD13	20	2.18	0.98	2.26
(3,689)	1:33:B:VAL:HG23	1:54:B:LEU:HD13	20	2.18	0.98	2.26
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD13	20	2.18	0.98	2.26
(3,689)	1:33:B:VAL:HG23	1:54:B:LEU:HD11	20	2.18	0.98	2.26
(3,689)	1:33:B:VAL:HG21	1:54:B:LEU:HD11	20	2.18	0.98	2.26
(3,689)	1:22:B:LEU:HD21	1:54:B:LEU:HD11	20	2.18	0.98	2.26
(3,689)	1:22:B:LEU:HD23	1:54:B:LEU:HD12	20	2.18	0.98	2.26
(3,673)	1:115:B:VAL:HB	1:130:B:LEU:HB2	20	2.16	0.36	2.22
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB1	20	2.16	0.36	2.22
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB2	20	2.16	0.36	2.22
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB3	20	2.16	0.36	2.22
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG3	20	2.14	0.3	2.15
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG3	20	2.14	0.3	2.15
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	20	2.14	0.3	2.15
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	20	2.14	0.3	2.15
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	20	2.08	0.46	2.16
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	20	2.08	0.46	2.16
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	20	2.08	0.46	2.16
(1,992)	1:129:B:GLU:HG3	1:130:B:LEU:HG	20	2.07	0.13	2.06
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	20	2.07	0.13	2.06
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	20	2.03	0.55	1.99
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	20	2.03	0.55	1.99

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	20	2.03	0.55	1.99
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	20	2.0	0.65	2.0
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	20	2.0	0.65	2.0
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	20	2.0	0.65	2.0
(3,1207)	1:73:B:ILE:HG23	1:109:B:ARG:HD2	20	1.99	0.78	2.28
(3,1207)	1:73:B:ILE:HG22	1:109:B:ARG:HD2	20	1.99	0.78	2.28
(3,1207)	1:73:B:ILE:HG21	1:109:B:ARG:HD2	20	1.99	0.78	2.28
(3,1207)	1:73:B:ILE:HG21	1:80:B:GLN:HG3	20	1.99	0.78	2.28
(3,1207)	1:73:B:ILE:HG23	1:80:B:GLN:HG3	20	1.99	0.78	2.28
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	20	1.98	0.8	2.41
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	20	1.98	0.8	2.41
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	20	1.98	0.8	2.41
(3,1176)	1:74:B:VAL:HG11	1:117:B:LYS:HD2	20	1.98	0.58	1.86
(3,1176)	1:74:B:VAL:HG13	1:84:B:LEU:HD13	20	1.98	0.58	1.86
(3,1176)	1:74:B:VAL:HG13	1:73:B:ILE:HG12	20	1.98	0.58	1.86
(3,1176)	1:74:B:VAL:HG11	1:73:B:ILE:HG12	20	1.98	0.58	1.86
(3,1176)	1:74:B:VAL:HG12	1:84:B:LEU:HD13	20	1.98	0.58	1.86
(3,1176)	1:74:B:VAL:HG12	1:73:B:ILE:HG12	20	1.98	0.58	1.86
(3,928)	1:97:B:VAL:HG12	1:95:B:ASP:HB2	20	1.97	0.56	1.99
(3,928)	1:97:B:VAL:HG13	1:95:B:ASP:HB2	20	1.97	0.56	1.99
(3,928)	1:97:B:VAL:HG13	1:102:B:MET:HG2	20	1.97	0.56	1.99
(3,928)	1:97:B:VAL:HG11	1:102:B:MET:HG2	20	1.97	0.56	1.99
(3,928)	1:97:B:VAL:HG11	1:95:B:ASP:HB3	20	1.97	0.56	1.99
(3,928)	1:97:B:VAL:HG12	1:95:B:ASP:HB3	20	1.97	0.56	1.99
(3,928)	1:97:B:VAL:HG13	1:95:B:ASP:HB3	20	1.97	0.56	1.99
(3,928)	1:97:B:VAL:HG12	1:102:B:MET:HG2	20	1.97	0.56	1.99
(3,928)	1:97:B:VAL:HG11	1:95:B:ASP:HB2	20	1.97	0.56	1.99
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	20	1.92	0.99	1.72
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	20	1.92	0.99	1.72
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	20	1.92	0.99	1.72
(3,622)	1:119:B:LEU:HD12	1:124:B:VAL:HA	20	1.91	0.47	2.08
(3,622)	1:119:B:LEU:HD13	1:124:B:VAL:HA	20	1.91	0.47	2.08
(3,622)	1:119:B:LEU:HD11	1:124:B:VAL:HA	20	1.91	0.47	2.08
(3,622)	1:119:B:LEU:HD13	1:116:B:ASP:HA	20	1.91	0.47	2.08
(3,622)	1:119:B:LEU:HD12	1:116:B:ASP:HA	20	1.91	0.47	2.08
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	20	1.87	0.43	1.92
(3,1065)	1:85:B:GLN:HG3	1:89:B:GLU:HB2	20	1.87	0.43	1.92
(3,743)	1:114:B:ILE:HD12	1:104:B:ASN:H	20	1.86	0.38	1.96
(3,743)	1:114:B:ILE:HD13	1:104:B:ASN:H	20	1.86	0.38	1.96
(3,743)	1:114:B:ILE:HD11	1:104:B:ASN:H	20	1.86	0.38	1.96
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	20	1.85	0.53	1.86
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	20	1.85	0.53	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	20	1.85	0.53	1.86
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	20	1.85	0.53	1.86
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	20	1.85	0.53	1.86
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	20	1.85	0.53	1.86
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	20	1.81	0.29	1.76
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	20	1.8	0.66	1.4
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	20	1.8	0.66	1.4
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	20	1.8	0.66	1.4
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HB2	20	1.8	0.74	1.9
(3,1887)	1:87:B:LEU:HD21	1:83:B:GLU:HB2	20	1.8	0.74	1.9
(3,1887)	1:87:B:LEU:HD21	1:83:B:GLU:HG3	20	1.8	0.74	1.9
(3,1887)	1:87:B:LEU:HD23	1:83:B:GLU:HB2	20	1.8	0.74	1.9
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HG3	20	1.8	0.74	1.9
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	20	1.8	0.21	1.81
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	20	1.8	0.21	1.81
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	20	1.8	0.21	1.81
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	20	1.77	0.56	1.68
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	20	1.77	0.56	1.68
(1,13)	1:6:B:ALA:H	1:8:B:THR:HB	20	1.77	0.46	1.88
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	20	1.77	0.46	1.88
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	20	1.76	0.56	1.92
(3,305)	1:129:B:GLU:H	1:133:B:LYS:HG3	20	1.76	0.56	1.92
(3,305)	1:129:B:GLU:H	1:133:B:LYS:HG2	20	1.76	0.56	1.92
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	20	1.76	0.48	1.96
(3,1590)	1:39:B:HIS:HD2	1:40:B:LEU:HB2	20	1.76	0.48	1.96
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB3	20	1.75	0.41	1.78
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB2	20	1.75	0.41	1.78
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB1	20	1.75	0.41	1.78
(3,646)	1:17:B:LEU:HG	1:59:B:LEU:HB2	20	1.75	0.41	1.78
(3,646)	1:17:B:LEU:HG	1:42:B:THR:HG21	20	1.75	0.41	1.78
(3,646)	1:17:B:LEU:HG	1:42:B:THR:HG23	20	1.75	0.41	1.78
(1,1515)	1:97:B:VAL:HG13	1:123:B:LEU:HB3	20	1.71	0.48	1.75
(1,1515)	1:97:B:VAL:HG11	1:123:B:LEU:HB3	20	1.71	0.48	1.75
(1,1515)	1:97:B:VAL:HG12	1:123:B:LEU:HB3	20	1.71	0.48	1.75
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	20	1.7	0.27	1.78
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	20	1.7	0.27	1.78
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	20	1.7	0.27	1.78
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	20	1.7	0.72	1.74
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	20	1.7	0.72	1.74
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	20	1.7	0.72	1.74
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	20	1.69	0.31	1.66
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	20	1.69	0.31	1.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	20	1.69	0.31	1.66
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG11	20	1.67	0.57	1.83
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD22	20	1.67	0.57	1.83
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG12	20	1.67	0.57	1.83
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD21	20	1.67	0.57	1.83
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD23	20	1.67	0.57	1.83
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG13	20	1.67	0.57	1.83
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	20	1.66	0.39	1.62
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	20	1.66	0.39	1.62
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	20	1.66	0.39	1.62
(3,814)	1:107:B:ALA:HB2	1:84:B:LEU:HA	20	1.65	0.42	1.62
(3,814)	1:107:B:ALA:HB3	1:84:B:LEU:HA	20	1.65	0.42	1.62
(3,814)	1:107:B:ALA:HB1	1:84:B:LEU:HA	20	1.65	0.42	1.62
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	20	1.65	0.22	1.56
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD21	20	1.64	0.22	1.6
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD23	20	1.64	0.22	1.6
(3,1012)	1:53:B:HIS:HB2	1:36:B:ILE:HG21	20	1.64	0.22	1.6
(3,1012)	1:53:B:HIS:HB2	1:36:B:ILE:HG22	20	1.64	0.22	1.6
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD22	20	1.64	0.22	1.6
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG23	20	1.58	0.3	1.62
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG21	20	1.58	0.3	1.62
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG22	20	1.58	0.3	1.62
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD11	20	1.55	0.31	1.66
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD12	20	1.55	0.31	1.66
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	20	1.55	0.31	1.66
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD23	20	1.55	0.56	1.76
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD22	20	1.55	0.56	1.76
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD21	20	1.55	0.56	1.76
(3,1052)	1:54:B:LEU:HG	1:51:B:ILE:HG22	20	1.55	0.56	1.76
(3,1052)	1:54:B:LEU:HG	1:51:B:ILE:HG23	20	1.55	0.56	1.76
(3,1052)	1:130:B:LEU:HG	1:119:B:LEU:HD11	20	1.55	0.56	1.76
(3,1052)	1:54:B:LEU:HG	1:51:B:ILE:HG21	20	1.55	0.56	1.76
(3,1466)	1:50:B:ILE:HD11	1:13:B:GLU:HG3	20	1.54	0.37	1.56
(3,1466)	1:50:B:ILE:HD12	1:13:B:GLU:HG3	20	1.54	0.37	1.56
(3,1466)	1:50:B:ILE:HD11	1:13:B:GLU:HG2	20	1.54	0.37	1.56
(3,1466)	1:50:B:ILE:HD13	1:34:B:GLU:HG2	20	1.54	0.37	1.56
(3,1466)	1:50:B:ILE:HD13	1:13:B:GLU:HG2	20	1.54	0.37	1.56
(3,1466)	1:50:B:ILE:HD11	1:34:B:GLU:HG2	20	1.54	0.37	1.56
(3,1466)	1:50:B:ILE:HD13	1:13:B:GLU:HG3	20	1.54	0.37	1.56
(3,1466)	1:50:B:ILE:HD12	1:34:B:GLU:HG2	20	1.54	0.37	1.56
(3,1466)	1:50:B:ILE:HD12	1:13:B:GLU:HG2	20	1.54	0.37	1.56
(3,815)	1:106:B:THR:HG22	1:83:B:GLU:H	20	1.53	0.56	1.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,815)	1:106:B:THR:HG21	1:84:B:LEU:H	20	1.53	0.56	1.59
(3,815)	1:106:B:THR:HG22	1:84:B:LEU:H	20	1.53	0.56	1.59
(3,815)	1:106:B:THR:HG23	1:83:B:GLU:H	20	1.53	0.56	1.59
(3,815)	1:106:B:THR:HG21	1:83:B:GLU:H	20	1.53	0.56	1.59
(3,815)	1:106:B:THR:HG23	1:84:B:LEU:H	20	1.53	0.56	1.59
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD22	20	1.53	0.48	1.64
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD21	20	1.53	0.48	1.64
(3,1088)	1:102:B:MET:HA	1:84:B:LEU:HD23	20	1.53	0.48	1.64
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD23	20	1.53	0.48	1.64
(3,1088)	1:102:B:MET:HA	1:84:B:LEU:HD22	20	1.53	0.48	1.64
(3,685)	1:84:B:LEU:HD11	1:117:B:LYS:HB2	20	1.53	0.84	1.66
(3,685)	1:84:B:LEU:HD13	1:109:B:ARG:HG2	20	1.53	0.84	1.66
(3,685)	1:84:B:LEU:HD13	1:117:B:LYS:HB2	20	1.53	0.84	1.66
(3,685)	1:115:B:VAL:HG11	1:117:B:LYS:HB2	20	1.53	0.84	1.66
(3,685)	1:84:B:LEU:HD12	1:117:B:LYS:HB2	20	1.53	0.84	1.66
(3,685)	1:84:B:LEU:HD11	1:109:B:ARG:HG2	20	1.53	0.84	1.66
(3,685)	1:84:B:LEU:HD13	1:123:B:LEU:HG	20	1.53	0.84	1.66
(3,685)	1:84:B:LEU:HD12	1:109:B:ARG:HG2	20	1.53	0.84	1.66
(3,1625)	1:36:B:ILE:HG22	1:33:B:VAL:H	20	1.53	0.14	1.51
(3,1625)	1:36:B:ILE:HG21	1:33:B:VAL:H	20	1.53	0.14	1.51
(3,1625)	1:36:B:ILE:HG23	1:33:B:VAL:H	20	1.53	0.14	1.51
(3,1392)	1:54:B:LEU:HD12	1:57:B:MET:H	20	1.52	0.11	1.5
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	20	1.52	0.11	1.5
(3,1392)	1:54:B:LEU:HD13	1:57:B:MET:H	20	1.52	0.11	1.5
(3,1387)	1:54:B:LEU:HD21	1:53:B:HIS:HA	20	1.52	0.1	1.54
(3,1387)	1:54:B:LEU:HD23	1:55:B:VAL:HA	20	1.52	0.1	1.54
(3,1387)	1:54:B:LEU:HD22	1:55:B:VAL:HA	20	1.52	0.1	1.54
(3,1387)	1:54:B:LEU:HD23	1:53:B:HIS:HA	20	1.52	0.1	1.54
(3,1387)	1:54:B:LEU:HD21	1:55:B:VAL:HA	20	1.52	0.1	1.54
(3,1387)	1:54:B:LEU:HD22	1:53:B:HIS:HA	20	1.52	0.1	1.54
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	20	1.5	0.77	1.52
(3,380)	1:130:B:LEU:HG	1:129:B:GLU:HG2	20	1.5	0.77	1.52
(3,380)	1:130:B:LEU:HG	1:129:B:GLU:HG3	20	1.5	0.77	1.52
(1,1882)	1:67:B:GLN:HG2	1:64:B:LYS:HA	20	1.48	0.59	1.29
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	20	1.48	0.59	1.29
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	20	1.47	0.35	1.62
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	20	1.47	0.35	1.62
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	20	1.47	0.35	1.62
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	20	1.47	0.35	1.62
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	20	1.47	0.35	1.62
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	20	1.47	0.35	1.62
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	20	1.47	0.35	1.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	20	1.47	0.35	1.62
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	20	1.47	0.35	1.62
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	20	1.44	0.32	1.54
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	20	1.44	0.32	1.54
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	20	1.44	0.32	1.54
(3,1319)	1:37:B:LEU:HD21	1:66:B:PHE:HE2	20	1.43	0.55	1.34
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE1	20	1.43	0.55	1.34
(3,1319)	1:37:B:LEU:HD22	1:66:B:PHE:HE2	20	1.43	0.55	1.34
(3,1319)	1:37:B:LEU:HD22	1:66:B:PHE:HE1	20	1.43	0.55	1.34
(3,1319)	1:37:B:LEU:HD21	1:66:B:PHE:HE1	20	1.43	0.55	1.34
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE2	20	1.43	0.55	1.34
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	20	1.4	0.31	1.48
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	20	1.4	0.31	1.48
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	20	1.4	0.31	1.48
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	20	1.4	0.31	1.48
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	20	1.4	0.31	1.48
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	20	1.4	0.31	1.48
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	20	1.4	0.31	1.48
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	20	1.4	0.31	1.48
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	20	1.4	0.31	1.48
(3,1404)	1:19:B:GLU:HA	1:25:B:LYS:HD2	20	1.39	0.41	1.55
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG21	20	1.39	0.41	1.55
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG23	20	1.39	0.41	1.55
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG22	20	1.39	0.41	1.55
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG12	20	1.36	0.71	1.32
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG11	20	1.36	0.71	1.32
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG22	20	1.36	0.71	1.32
(3,94)	1:49:B:GLN:H	1:63:B:VAL:HG22	20	1.36	0.71	1.32
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG21	20	1.36	0.71	1.32
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG13	20	1.36	0.71	1.32
(3,94)	1:49:B:GLN:H	1:63:B:VAL:HG21	20	1.36	0.71	1.32
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	20	1.35	0.66	1.18
(3,675)	1:115:B:VAL:HB	1:130:B:LEU:HB2	20	1.35	0.66	1.18
(3,675)	1:97:B:VAL:HB	1:98:B:LEU:HB2	20	1.35	0.66	1.18
(3,675)	1:115:B:VAL:HB	1:112:B:ALA:HB1	20	1.35	0.66	1.18
(3,675)	1:63:B:VAL:HB	1:51:B:ILE:HG12	20	1.35	0.66	1.18
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	20	1.33	0.3	1.42
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	20	1.33	0.3	1.42
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	20	1.33	0.3	1.42
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	20	1.33	0.07	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	20	1.33	0.07	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	20	1.33	0.07	1.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1276)	1:63:B:VAL:HG22	1:66:B:PHE:HZ	20	1.32	0.54	1.27
(3,1276)	1:63:B:VAL:HG23	1:67:B:GLN:HE22	20	1.32	0.54	1.27
(3,1276)	1:63:B:VAL:HG23	1:66:B:PHE:HZ	20	1.32	0.54	1.27
(3,1276)	1:63:B:VAL:HG22	1:67:B:GLN:HE22	20	1.32	0.54	1.27
(3,1276)	1:63:B:VAL:HG21	1:66:B:PHE:HZ	20	1.32	0.54	1.27
(3,1276)	1:63:B:VAL:HG21	1:67:B:GLN:HE22	20	1.32	0.54	1.27
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	20	1.26	0.18	1.23
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	20	1.2	0.3	1.19
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	20	1.2	0.3	1.19
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	20	1.2	0.3	1.19
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB3	20	1.19	0.32	1.3
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB2	20	1.19	0.32	1.3
(3,825)	1:105:B:ILE:HG21	1:108:B:LYS:HB3	20	1.19	0.32	1.3
(3,825)	1:105:B:ILE:HG22	1:108:B:LYS:HB3	20	1.19	0.32	1.3
(3,825)	1:105:B:ILE:HG21	1:108:B:LYS:HB2	20	1.19	0.32	1.3
(3,825)	1:105:B:ILE:HG22	1:108:B:LYS:HB2	20	1.19	0.32	1.3
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	20	1.18	0.37	1.1
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	20	1.16	0.16	1.15
(1,1070)	1:124:B:VAL:HG21	1:130:B:LEU:HB3	20	1.16	0.12	1.18
(1,1070)	1:124:B:VAL:HG22	1:130:B:LEU:HB3	20	1.16	0.12	1.18
(1,1070)	1:124:B:VAL:HG23	1:130:B:LEU:HB3	20	1.16	0.12	1.18
(1,1070)	1:124:B:VAL:HG23	1:130:B:LEU:HG	20	1.16	0.12	1.18
(1,1070)	1:124:B:VAL:HG22	1:130:B:LEU:HG	20	1.16	0.12	1.18
(1,1070)	1:124:B:VAL:HG21	1:130:B:LEU:HG	20	1.16	0.12	1.18
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	20	1.14	0.28	1.1
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	20	1.14	0.28	1.1
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	20	1.14	0.28	1.1
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	20	1.14	0.28	1.1
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	20	1.14	0.28	1.1
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	20	1.14	0.28	1.1
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	20	1.14	0.28	1.1
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	20	1.14	0.28	1.1
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	20	1.14	0.28	1.1
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	20	1.14	0.34	1.21
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	20	1.14	0.34	1.21
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	20	1.14	0.34	1.21
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	20	1.13	0.34	1.08
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	20	1.09	0.09	1.08
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB3	20	1.09	0.09	1.08
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB2	20	1.09	0.09	1.08
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	20	1.09	0.58	0.97
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	20	1.09	0.58	0.97

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	20	1.09	0.58	0.97
(3,1770)	1:17:B:LEU:HD23	1:14:B:GLU:HB2	20	1.08	0.31	1.11
(3,1770)	1:17:B:LEU:HD21	1:14:B:GLU:HB2	20	1.08	0.31	1.11
(3,1770)	1:17:B:LEU:HD22	1:13:B:GLU:HG3	20	1.08	0.31	1.11
(3,1770)	1:17:B:LEU:HD23	1:13:B:GLU:HG2	20	1.08	0.31	1.11
(3,1770)	1:17:B:LEU:HD22	1:13:B:GLU:HG2	20	1.08	0.31	1.11
(3,1770)	1:17:B:LEU:HD23	1:13:B:GLU:HG3	20	1.08	0.31	1.11
(3,1770)	1:17:B:LEU:HD21	1:13:B:GLU:HG2	20	1.08	0.31	1.11
(3,1770)	1:17:B:LEU:HD22	1:14:B:GLU:HB2	20	1.08	0.31	1.11
(3,1770)	1:17:B:LEU:HD21	1:13:B:GLU:HG3	20	1.08	0.31	1.11
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	20	1.07	0.1	1.06
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	20	1.07	0.1	1.06
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	20	1.07	0.1	1.06
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	20	1.07	0.1	1.06
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	20	1.07	0.1	1.06
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	20	1.07	0.1	1.06
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	20	1.07	0.1	1.06
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	20	1.07	0.1	1.06
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	20	1.07	0.1	1.06
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD12	20	1.06	0.23	1.04
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD11	20	1.06	0.23	1.04
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD13	20	1.06	0.23	1.04
(3,992)	1:19:B:GLU:HG2	1:40:B:LEU:HD13	20	1.06	0.23	1.04
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	20	1.05	0.78	0.74
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	20	1.05	0.78	0.74
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	20	1.05	0.78	0.74
(3,1192)	1:73:B:ILE:HG23	1:73:B:ILE:HG12	20	1.04	0.05	1.06
(3,1192)	1:73:B:ILE:HG22	1:73:B:ILE:HG12	20	1.04	0.05	1.06
(3,1192)	1:73:B:ILE:HG21	1:73:B:ILE:HG12	20	1.04	0.05	1.06
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	20	1.03	0.37	1.12
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	20	1.03	0.37	1.12
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	20	1.03	0.37	1.12
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	20	1.03	0.37	1.12
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	20	1.03	0.37	1.12
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	20	1.03	0.37	1.12
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	20	1.03	0.37	1.12
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	20	1.03	0.37	1.12
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	20	1.03	0.37	1.12
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	20	1.01	0.23	1.08
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	20	0.99	0.23	0.92
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	20	0.98	0.38	1.18
(3,1454)	1:51:B:ILE:HD12	1:49:B:GLN:H	20	0.96	0.34	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	20	0.96	0.34	0.94
(3,1454)	1:51:B:ILE:HD11	1:49:B:GLN:H	20	0.96	0.34	0.94
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD11	20	0.95	0.18	0.96
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD12	20	0.95	0.18	0.96
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	20	0.95	0.18	0.96
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	20	0.94	0.43	0.84
(3,936)	1:32:B:VAL:HG23	1:35:B:ALA:HA	20	0.94	0.18	1.02
(3,936)	1:32:B:VAL:HG22	1:35:B:ALA:HA	20	0.94	0.18	1.02
(3,936)	1:32:B:VAL:HG21	1:35:B:ALA:HA	20	0.94	0.18	1.02
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	20	0.93	0.23	0.87
(3,734)	1:114:B:ILE:HG22	1:102:B:MET:HE1	20	0.92	0.26	1.03
(3,734)	1:114:B:ILE:HG21	1:115:B:VAL:HB	20	0.92	0.26	1.03
(3,734)	1:114:B:ILE:HG23	1:115:B:VAL:HB	20	0.92	0.26	1.03
(3,734)	1:114:B:ILE:HG23	1:102:B:MET:HE2	20	0.92	0.26	1.03
(3,734)	1:114:B:ILE:HG22	1:102:B:MET:HE2	20	0.92	0.26	1.03
(3,734)	1:114:B:ILE:HG21	1:102:B:MET:HE1	20	0.92	0.26	1.03
(3,734)	1:114:B:ILE:HG22	1:102:B:MET:HE3	20	0.92	0.26	1.03
(3,734)	1:114:B:ILE:HG22	1:115:B:VAL:HB	20	0.92	0.26	1.03
(3,734)	1:114:B:ILE:HG23	1:102:B:MET:HE3	20	0.92	0.26	1.03
(3,852)	1:114:B:ILE:HG23	1:88:B:PHE:H	20	0.92	0.17	0.96
(3,852)	1:114:B:ILE:HG22	1:88:B:PHE:H	20	0.92	0.17	0.96
(3,852)	1:114:B:ILE:HG21	1:88:B:PHE:H	20	0.92	0.17	0.96
(1,1632)	1:45:B:ARG:HB2	1:48:B:LYS:HE2	20	0.91	0.27	0.96
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	20	0.91	0.27	0.96
(1,1632)	1:45:B:ARG:HB2	1:48:B:LYS:HE3	20	0.91	0.27	0.96
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE3	20	0.91	0.27	0.96
(3,1437)	1:51:B:ILE:HG21	1:62:B:SER:HB3	20	0.91	0.23	0.93
(3,1437)	1:51:B:ILE:HG22	1:62:B:SER:HB3	20	0.91	0.23	0.93
(3,1437)	1:51:B:ILE:HG23	1:50:B:ILE:HA	20	0.91	0.23	0.93
(3,1437)	1:51:B:ILE:HG23	1:62:B:SER:HB3	20	0.91	0.23	0.93
(3,1437)	1:51:B:ILE:HG22	1:50:B:ILE:HA	20	0.91	0.23	0.93
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	20	0.9	0.2	0.85
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HB3	20	0.9	0.2	0.85
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD12	20	0.86	0.2	0.84
(3,1800)	1:15:B:ALA:HB2	1:22:B:LEU:HD12	20	0.86	0.2	0.84
(3,1800)	1:15:B:ALA:HB3	1:22:B:LEU:HD11	20	0.86	0.2	0.84
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD13	20	0.86	0.2	0.84
(3,1800)	1:15:B:ALA:HB3	1:22:B:LEU:HD13	20	0.86	0.2	0.84
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD11	20	0.86	0.2	0.84
(3,1800)	1:15:B:ALA:HB3	1:22:B:LEU:HD12	20	0.86	0.2	0.84
(3,1800)	1:15:B:ALA:HB2	1:22:B:LEU:HD11	20	0.86	0.2	0.84
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	20	0.85	0.03	0.85

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD22	20	0.85	0.12	0.9
(3,1303)	1:15:B:ALA:HA	1:54:B:LEU:HD23	20	0.85	0.12	0.9
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD23	20	0.85	0.12	0.9
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD21	20	0.85	0.12	0.9
(3,1303)	1:15:B:ALA:HA	1:54:B:LEU:HD21	20	0.85	0.12	0.9
(3,1303)	1:15:B:ALA:HA	1:54:B:LEU:HD22	20	0.85	0.12	0.9
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	20	0.85	0.28	0.92
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	20	0.85	0.28	0.92
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	20	0.85	0.28	0.92
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	20	0.83	0.09	0.82
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	20	0.83	0.09	0.82
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	20	0.83	0.09	0.82
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD21	20	0.83	0.19	0.77
(3,750)	1:114:B:ILE:HG21	1:118:B:LEU:HD23	20	0.83	0.19	0.77
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD23	20	0.83	0.19	0.77
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD22	20	0.83	0.19	0.77
(3,750)	1:114:B:ILE:HG21	1:118:B:LEU:HD21	20	0.83	0.19	0.77
(3,750)	1:114:B:ILE:HG22	1:118:B:LEU:HD22	20	0.83	0.19	0.77
(3,750)	1:114:B:ILE:HG22	1:118:B:LEU:HD21	20	0.83	0.19	0.77
(3,481)	1:14:B:GLU:HG2	1:40:B:LEU:HD12	20	0.82	0.49	0.94
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD11	20	0.82	0.49	0.94
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD13	20	0.82	0.49	0.94
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD13	20	0.82	0.49	0.94
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD22	20	0.82	0.49	0.94
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD22	20	0.82	0.49	0.94
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD12	20	0.82	0.49	0.94
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD21	20	0.82	0.49	0.94
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD11	20	0.82	0.49	0.94
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD12	20	0.82	0.49	0.94
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD23	20	0.82	0.49	0.94
(3,1472)	1:50:B:ILE:HD13	1:51:B:ILE:HA	20	0.82	0.06	0.82
(3,1472)	1:50:B:ILE:HD12	1:51:B:ILE:HA	20	0.82	0.06	0.82
(3,1472)	1:50:B:ILE:HD11	1:51:B:ILE:HA	20	0.82	0.06	0.82
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	20	0.81	0.52	0.58
(3,1664)	1:32:B:VAL:HG11	1:37:B:LEU:HG	20	0.81	0.22	0.84
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	20	0.81	0.22	0.84
(3,1664)	1:32:B:VAL:HG12	1:37:B:LEU:HG	20	0.81	0.22	0.84
(3,1665)	1:32:B:VAL:HG11	1:37:B:LEU:HG	20	0.81	0.22	0.84
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	20	0.81	0.22	0.84
(3,1665)	1:32:B:VAL:HG12	1:37:B:LEU:HG	20	0.81	0.22	0.84
(3,1253)	1:67:B:GLN:HB2	1:66:B:PHE:HE2	20	0.8	0.54	0.62
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	20	0.8	0.54	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1361)	1:55:B:VAL:HG13	1:52:B:HIS:HB2	20	0.8	0.17	0.78
(3,1361)	1:55:B:VAL:HG12	1:52:B:HIS:HB2	20	0.8	0.17	0.78
(3,1361)	1:55:B:VAL:HG11	1:52:B:HIS:HB2	20	0.8	0.17	0.78
(3,1384)	1:54:B:LEU:HD22	1:60:B:ALA:HB3	20	0.8	0.36	0.83
(3,1384)	1:54:B:LEU:HD21	1:60:B:ALA:HB2	20	0.8	0.36	0.83
(3,1384)	1:54:B:LEU:HD22	1:60:B:ALA:HB2	20	0.8	0.36	0.83
(3,1384)	1:54:B:LEU:HD23	1:59:B:LEU:HB2	20	0.8	0.36	0.83
(3,1384)	1:54:B:LEU:HD22	1:60:B:ALA:HB1	20	0.8	0.36	0.83
(3,1384)	1:54:B:LEU:HD21	1:59:B:LEU:HB2	20	0.8	0.36	0.83
(3,1384)	1:54:B:LEU:HD21	1:60:B:ALA:HB3	20	0.8	0.36	0.83
(3,1384)	1:54:B:LEU:HD21	1:60:B:ALA:HB1	20	0.8	0.36	0.83
(3,1384)	1:54:B:LEU:HD23	1:60:B:ALA:HB1	20	0.8	0.36	0.83
(3,1384)	1:54:B:LEU:HD23	1:60:B:ALA:HB3	20	0.8	0.36	0.83
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD21	20	0.78	0.23	0.78
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD22	20	0.78	0.23	0.78
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD23	20	0.78	0.23	0.78
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	20	0.78	0.23	0.78
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	20	0.78	0.23	0.78
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	20	0.78	0.23	0.78
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD11	20	0.78	0.22	0.74
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD13	20	0.78	0.22	0.74
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD12	20	0.78	0.22	0.74
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	20	0.77	0.22	0.7
(3,1411)	1:53:B:HIS:HA	1:9:B:TRP:HZ2	20	0.77	0.22	0.7
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD2	20	0.77	0.22	0.7
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	20	0.77	0.19	0.76
(3,493)	1:130:B:LEU:HD12	1:128:B:ARG:HA	20	0.77	0.19	0.76
(3,493)	1:130:B:LEU:HD13	1:128:B:ARG:HA	20	0.77	0.19	0.76
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	20	0.76	0.06	0.76
(3,1006)	1:19:B:GLU:HG3	1:16:B:HIS:HE1	20	0.76	0.06	0.76
(3,1391)	1:54:B:LEU:HD12	1:33:B:VAL:H	20	0.76	0.23	0.8
(3,1391)	1:54:B:LEU:HD11	1:33:B:VAL:H	20	0.76	0.23	0.8
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	20	0.76	0.23	0.8
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	20	0.74	0.19	0.74
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	20	0.74	0.19	0.74
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	20	0.74	0.19	0.74
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	20	0.74	0.19	0.74
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	20	0.74	0.19	0.74
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	20	0.74	0.19	0.74
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	20	0.74	0.19	0.74
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	20	0.74	0.19	0.74
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	20	0.74	0.19	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1485)	1:50:B:ILE:HG23	1:49:B:GLN:H	20	0.72	0.19	0.73
(3,1485)	1:50:B:ILE:HG21	1:49:B:GLN:H	20	0.72	0.19	0.73
(3,1485)	1:50:B:ILE:HG22	1:49:B:GLN:H	20	0.72	0.19	0.73
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	20	0.69	0.38	0.54
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB2	20	0.69	0.38	0.54
(1,879)	1:59:B:LEU:HD21	1:21:B:TYR:HD1	20	0.68	0.3	0.64
(1,879)	1:59:B:LEU:HD22	1:21:B:TYR:HD1	20	0.68	0.3	0.64
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD2	20	0.68	0.3	0.64
(1,879)	1:59:B:LEU:HD22	1:21:B:TYR:HD2	20	0.68	0.3	0.64
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD1	20	0.68	0.3	0.64
(1,879)	1:59:B:LEU:HD21	1:21:B:TYR:HD2	20	0.68	0.3	0.64
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG3	20	0.67	0.13	0.7
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	20	0.67	0.13	0.7
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	20	0.66	0.1	0.69
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	20	0.66	0.14	0.65
(3,1802)	1:15:B:ALA:HB1	1:14:B:GLU:HB3	20	0.66	0.14	0.65
(3,1802)	1:15:B:ALA:HB2	1:14:B:GLU:HB3	20	0.66	0.14	0.65
(3,838)	1:102:B:MET:HE1	1:99:B:GLY:HA3	20	0.65	0.36	0.61
(3,838)	1:102:B:MET:HE3	1:99:B:GLY:HA3	20	0.65	0.36	0.61
(3,838)	1:102:B:MET:HE2	1:99:B:GLY:HA3	20	0.65	0.36	0.61
(3,838)	1:102:B:MET:HE1	1:101:B:ILE:HA	20	0.65	0.36	0.61
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD22	20	0.65	0.16	0.62
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD23	20	0.65	0.16	0.62
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD21	20	0.65	0.16	0.62
(3,530)	1:28:B:GLU:HG2	1:27:B:VAL:HG22	20	0.65	0.16	0.62
(3,1672)	1:32:B:VAL:HG11	1:37:B:LEU:H	20	0.65	0.06	0.64
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	20	0.65	0.06	0.64
(3,1672)	1:32:B:VAL:HG12	1:37:B:LEU:H	20	0.65	0.06	0.64
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG23	20	0.63	0.11	0.62
(3,104)	1:52:B:HIS:H	1:55:B:VAL:HG12	20	0.63	0.11	0.62
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG21	20	0.63	0.11	0.62
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG22	20	0.63	0.11	0.62
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	20	0.63	0.06	0.62
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	20	0.63	0.06	0.62
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	20	0.63	0.06	0.62
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	20	0.63	0.14	0.65
(3,1898)	1:88:B:PHE:HE2	1:88:B:PHE:H	20	0.63	0.14	0.65
(3,1898)	1:88:B:PHE:HE2	1:125:B:ALA:H	20	0.63	0.14	0.65
(3,1484)	1:50:B:ILE:HG23	1:55:B:VAL:H	20	0.62	0.15	0.6
(3,1484)	1:50:B:ILE:HG22	1:55:B:VAL:H	20	0.62	0.15	0.6
(3,1484)	1:50:B:ILE:HG21	1:55:B:VAL:H	20	0.62	0.15	0.6
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	20	0.59	0.26	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	20	0.59	0.26	0.68
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	20	0.59	0.26	0.68
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	20	0.59	0.11	0.56
(3,1379)	1:54:B:LEU:HD11	1:55:B:VAL:HA	20	0.58	0.11	0.56
(3,1379)	1:54:B:LEU:HD13	1:55:B:VAL:HA	20	0.58	0.11	0.56
(3,1379)	1:54:B:LEU:HD11	1:52:B:HIS:HA	20	0.58	0.11	0.56
(3,1379)	1:54:B:LEU:HD12	1:55:B:VAL:HA	20	0.58	0.11	0.56
(3,1379)	1:54:B:LEU:HD13	1:52:B:HIS:HA	20	0.58	0.11	0.56
(3,1379)	1:54:B:LEU:HD12	1:52:B:HIS:HA	20	0.58	0.11	0.56
(3,1187)	1:73:B:ILE:HD11	1:73:B:ILE:HB	20	0.57	0.06	0.58
(3,1187)	1:73:B:ILE:HD12	1:73:B:ILE:HB	20	0.57	0.06	0.58
(3,1187)	1:73:B:ILE:HD13	1:73:B:ILE:HB	20	0.57	0.06	0.58
(3,1038)	1:20:B:LEU:HD11	1:19:B:GLU:H	20	0.54	0.31	0.5
(3,1038)	1:20:B:LEU:HD13	1:19:B:GLU:H	20	0.54	0.31	0.5
(3,1038)	1:20:B:LEU:HD12	1:19:B:GLU:H	20	0.54	0.31	0.5
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	20	0.51	0.22	0.52
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	20	0.51	0.22	0.52
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	20	0.51	0.22	0.52
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	20	0.47	0.2	0.42
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	20	0.47	0.2	0.42
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	20	0.47	0.2	0.42
(3,1873)	1:118:B:LEU:HD11	1:119:B:LEU:HA	20	0.44	0.25	0.34
(3,1873)	1:118:B:LEU:HD12	1:119:B:LEU:HA	20	0.44	0.25	0.34
(3,1873)	1:118:B:LEU:HD13	1:119:B:LEU:HA	20	0.44	0.25	0.34
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	20	0.44	0.24	0.4
(3,611)	1:120:B:ALA:HB3	1:119:B:LEU:HB2	20	0.44	0.04	0.44
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	20	0.44	0.04	0.44
(3,611)	1:120:B:ALA:HB1	1:119:B:LEU:HB2	20	0.44	0.04	0.44
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	20	0.38	0.06	0.37
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	20	0.38	0.06	0.37
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	20	0.38	0.06	0.37
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD22	20	0.34	0.06	0.35
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD23	20	0.34	0.06	0.35
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD21	20	0.34	0.06	0.35
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	20	0.34	0.04	0.34
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	20	0.31	0.1	0.3
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	20	0.31	0.1	0.3
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	20	0.31	0.1	0.3
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	20	0.31	0.05	0.3
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD22	20	0.31	0.05	0.3
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD21	20	0.31	0.05	0.3
(3,49)	1:23:B:ALA:H	1:36:B:ILE:HD13	20	0.31	0.05	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	20	0.28	0.09	0.26
(3,551)	1:124:B:VAL:HG11	1:124:B:VAL:HG21	20	0.26	0.05	0.27
(3,551)	1:124:B:VAL:HG13	1:124:B:VAL:HG22	20	0.26	0.05	0.27
(3,551)	1:124:B:VAL:HG13	1:124:B:VAL:HG23	20	0.26	0.05	0.27
(3,551)	1:124:B:VAL:HG13	1:119:B:LEU:HD21	20	0.26	0.05	0.27
(3,551)	1:124:B:VAL:HG12	1:124:B:VAL:HG22	20	0.26	0.05	0.27
(3,551)	1:124:B:VAL:HG11	1:124:B:VAL:HG23	20	0.26	0.05	0.27
(3,551)	1:124:B:VAL:HG12	1:124:B:VAL:HG21	20	0.26	0.05	0.27
(3,551)	1:124:B:VAL:HG12	1:124:B:VAL:HG23	20	0.26	0.05	0.27
(3,551)	1:124:B:VAL:HG13	1:124:B:VAL:HG21	20	0.26	0.05	0.27
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	20	0.22	0.02	0.22
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD2	20	0.22	0.02	0.22
(1,1432)	1:103:B:LYS:HE3	1:103:B:LYS:HD2	20	0.22	0.02	0.22
(1,1432)	1:103:B:LYS:HE3	1:103:B:LYS:HD3	20	0.22	0.02	0.22
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	20	0.22	0.03	0.23
(1,1414)	1:103:B:LYS:HD3	1:103:B:LYS:HG2	20	0.22	0.03	0.23
(3,438)	1:134:B:ARG:HA	1:134:B:ARG:HB2	20	0.21	0.05	0.2
(3,438)	1:134:B:ARG:HA	1:134:B:ARG:HB3	20	0.21	0.05	0.2
(3,438)	1:68:B:ARG:HA	1:68:B:ARG:HB2	20	0.21	0.05	0.2
(3,438)	1:133:B:LYS:HA	1:133:B:LYS:HB3	20	0.21	0.05	0.2
(3,438)	1:133:B:LYS:HA	1:133:B:LYS:HB2	20	0.21	0.05	0.2
(3,438)	1:68:B:ARG:HA	1:68:B:ARG:HB3	20	0.21	0.05	0.2
(3,899)	1:98:B:LEU:HD22	1:98:B:LEU:HG	20	0.2	0.02	0.2
(3,899)	1:37:B:LEU:HD13	1:37:B:LEU:HG	20	0.2	0.02	0.2
(3,899)	1:98:B:LEU:HD23	1:98:B:LEU:HG	20	0.2	0.02	0.2
(3,899)	1:37:B:LEU:HD12	1:37:B:LEU:HG	20	0.2	0.02	0.2
(3,899)	1:37:B:LEU:HD11	1:37:B:LEU:HG	20	0.2	0.02	0.2
(3,899)	1:98:B:LEU:HD21	1:98:B:LEU:HG	20	0.2	0.02	0.2
(3,1173)	1:74:B:VAL:HG12	1:74:B:VAL:HB	20	0.2	0.02	0.21
(3,1173)	1:74:B:VAL:HG13	1:74:B:VAL:HB	20	0.2	0.02	0.21
(3,1173)	1:74:B:VAL:HG11	1:74:B:VAL:HB	20	0.2	0.02	0.21
(3,1312)	1:37:B:LEU:HD21	1:37:B:LEU:HG	20	0.2	0.03	0.21
(3,1312)	1:37:B:LEU:HD23	1:37:B:LEU:HG	20	0.2	0.03	0.21
(3,1312)	1:37:B:LEU:HD22	1:37:B:LEU:HG	20	0.2	0.03	0.21
(3,404)	1:132:B:LYS:HD3	1:132:B:LYS:HE2	20	0.19	0.02	0.19
(3,404)	1:136:B:LYS:HD3	1:136:B:LYS:HE2	20	0.19	0.02	0.19
(3,404)	1:133:B:LYS:HD3	1:133:B:LYS:HE2	20	0.19	0.02	0.19
(3,404)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	20	0.19	0.02	0.19
(3,404)	1:137:B:LYS:HD2	1:137:B:LYS:HE3	20	0.19	0.02	0.19
(3,404)	1:137:B:LYS:HD3	1:137:B:LYS:HE2	20	0.19	0.02	0.19
(3,404)	1:137:B:LYS:HD2	1:137:B:LYS:HE2	20	0.19	0.02	0.19
(3,404)	1:133:B:LYS:HD2	1:133:B:LYS:HE2	20	0.19	0.02	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,403)	1:132:B:LYS:HD3	1:132:B:LYS:HE2	20	0.18	0.02	0.18
(3,403)	1:136:B:LYS:HD3	1:136:B:LYS:HE2	20	0.18	0.02	0.18
(3,403)	1:133:B:LYS:HD3	1:133:B:LYS:HE2	20	0.18	0.02	0.18
(3,403)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	20	0.18	0.02	0.18
(3,403)	1:137:B:LYS:HD2	1:137:B:LYS:HE3	20	0.18	0.02	0.18
(3,403)	1:133:B:LYS:HD2	1:133:B:LYS:HE3	20	0.18	0.02	0.18
(3,403)	1:136:B:LYS:HD2	1:136:B:LYS:HE3	20	0.18	0.02	0.18
(3,403)	1:137:B:LYS:HD2	1:137:B:LYS:HE2	20	0.18	0.02	0.18
(3,403)	1:133:B:LYS:HD2	1:133:B:LYS:HE2	20	0.18	0.02	0.18
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD21	20	0.18	0.02	0.18
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD13	20	0.18	0.02	0.18
(3,1051)	1:98:B:LEU:HG	1:98:B:LEU:HD11	20	0.18	0.02	0.18
(3,1051)	1:98:B:LEU:HG	1:98:B:LEU:HD22	20	0.18	0.02	0.18
(3,1051)	1:98:B:LEU:HG	1:98:B:LEU:HD13	20	0.18	0.02	0.18
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD12	20	0.18	0.02	0.18
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD23	20	0.18	0.02	0.18
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD22	20	0.18	0.02	0.18
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD11	20	0.18	0.02	0.18
(3,399)	1:132:B:LYS:HE2	1:132:B:LYS:HD3	20	0.18	0.02	0.18
(3,399)	1:48:B:LYS:HE2	1:48:B:LYS:HD3	20	0.18	0.02	0.18
(3,399)	1:136:B:LYS:HE2	1:136:B:LYS:HD3	20	0.18	0.02	0.18
(3,399)	1:133:B:LYS:HE2	1:133:B:LYS:HD3	20	0.18	0.02	0.18
(3,399)	1:132:B:LYS:HE3	1:132:B:LYS:HD2	20	0.18	0.02	0.18
(3,399)	1:137:B:LYS:HE3	1:137:B:LYS:HD2	20	0.18	0.02	0.18
(3,399)	1:133:B:LYS:HE3	1:133:B:LYS:HD2	20	0.18	0.02	0.18
(3,399)	1:48:B:LYS:HE3	1:48:B:LYS:HD2	20	0.18	0.02	0.18
(3,399)	1:136:B:LYS:HE3	1:136:B:LYS:HD2	20	0.18	0.02	0.18
(3,399)	1:133:B:LYS:HE2	1:133:B:LYS:HD2	20	0.18	0.02	0.18
(3,475)	1:132:B:LYS:HD3	1:132:B:LYS:HG2	20	0.18	0.02	0.17
(3,475)	1:133:B:LYS:HD3	1:133:B:LYS:HG2	20	0.18	0.02	0.17
(3,475)	1:48:B:LYS:HD2	1:48:B:LYS:HG3	20	0.18	0.02	0.17
(3,475)	1:133:B:LYS:HD2	1:133:B:LYS:HG3	20	0.18	0.02	0.17
(3,475)	1:132:B:LYS:HD2	1:132:B:LYS:HG3	20	0.18	0.02	0.17
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	19	4.08	2.55	2.99
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	19	4.08	2.55	2.99
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	19	4.08	2.55	2.99
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG12	19	3.31	0.9	3.37
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG11	19	3.31	0.9	3.37
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG13	19	3.31	0.9	3.37
(3,1272)	1:63:B:VAL:HG22	1:68:B:ARG:HG2	19	3.19	0.88	3.52
(3,1272)	1:63:B:VAL:HG21	1:68:B:ARG:HG3	19	3.19	0.88	3.52
(3,1272)	1:63:B:VAL:HG23	1:68:B:ARG:HG3	19	3.19	0.88	3.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1272)	1:63:B:VAL:HG21	1:64:B:LYS:HD3	19	3.19	0.88	3.52
(3,1272)	1:63:B:VAL:HG22	1:64:B:LYS:HD3	19	3.19	0.88	3.52
(3,1272)	1:63:B:VAL:HG23	1:64:B:LYS:HD3	19	3.19	0.88	3.52
(3,1272)	1:63:B:VAL:HG21	1:64:B:LYS:HD2	19	3.19	0.88	3.52
(3,1272)	1:63:B:VAL:HG23	1:64:B:LYS:HD2	19	3.19	0.88	3.52
(3,1272)	1:63:B:VAL:HG23	1:68:B:ARG:HG2	19	3.19	0.88	3.52
(3,549)	1:124:B:VAL:HG12	1:119:B:LEU:HB2	19	2.63	0.65	3.0
(3,549)	1:124:B:VAL:HG11	1:119:B:LEU:HB2	19	2.63	0.65	3.0
(3,549)	1:124:B:VAL:HG12	1:127:B:ARG:HG2	19	2.63	0.65	3.0
(3,549)	1:124:B:VAL:HG11	1:127:B:ARG:HG2	19	2.63	0.65	3.0
(3,549)	1:124:B:VAL:HG13	1:127:B:ARG:HG2	19	2.63	0.65	3.0
(3,549)	1:124:B:VAL:HG13	1:119:B:LEU:HB2	19	2.63	0.65	3.0
(3,1163)	1:40:B:LEU:HD23	1:45:B:ARG:HD3	19	2.59	0.88	2.69
(3,1163)	1:40:B:LEU:HD22	1:45:B:ARG:HD3	19	2.59	0.88	2.69
(3,1163)	1:40:B:LEU:HD21	1:45:B:ARG:HD3	19	2.59	0.88	2.69
(3,1163)	1:40:B:LEU:HD22	1:41:B:ASN:HB3	19	2.59	0.88	2.69
(3,1163)	1:40:B:LEU:HD21	1:41:B:ASN:HB2	19	2.59	0.88	2.69
(3,1163)	1:40:B:LEU:HD22	1:41:B:ASN:HB2	19	2.59	0.88	2.69
(3,1163)	1:40:B:LEU:HD21	1:41:B:ASN:HB3	19	2.59	0.88	2.69
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB3	19	2.4	0.61	2.5
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB2	19	2.4	0.61	2.5
(3,1419)	1:52:B:HIS:HD2	1:69:B:LYS:HB3	19	2.4	0.61	2.5
(3,1419)	1:52:B:HIS:HD2	1:69:B:LYS:HB2	19	2.4	0.61	2.5
(3,866)	1:105:B:ILE:HD11	1:109:B:ARG:HD3	19	2.21	0.81	2.35
(3,866)	1:105:B:ILE:HD12	1:109:B:ARG:HD3	19	2.21	0.81	2.35
(3,866)	1:101:B:ILE:HD11	1:89:B:GLU:HG2	19	2.21	0.81	2.35
(3,866)	1:101:B:ILE:HD13	1:89:B:GLU:HG2	19	2.21	0.81	2.35
(3,866)	1:105:B:ILE:HD13	1:109:B:ARG:HD3	19	2.21	0.81	2.35
(3,866)	1:101:B:ILE:HD12	1:89:B:GLU:HG2	19	2.21	0.81	2.35
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	19	2.14	0.33	2.19
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	19	2.14	0.33	2.19
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	19	2.14	0.33	2.19
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG2	19	2.14	0.33	2.19
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG2	19	2.14	0.33	2.19
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG2	19	2.14	0.33	2.19
(3,358)	1:98:B:LEU:HD13	1:117:B:LYS:H	19	2.12	0.66	2.34
(3,358)	1:98:B:LEU:HD12	1:117:B:LYS:H	19	2.12	0.66	2.34
(3,358)	1:98:B:LEU:HD11	1:117:B:LYS:H	19	2.12	0.66	2.34
(3,358)	1:98:B:LEU:HD11	1:113:B:ARG:H	19	2.12	0.66	2.34
(3,358)	1:98:B:LEU:HD13	1:113:B:ARG:H	19	2.12	0.66	2.34
(3,1035)	1:20:B:LEU:HD13	1:35:B:ALA:HB3	19	2.02	0.52	2.1
(3,1035)	1:20:B:LEU:HD13	1:35:B:ALA:HB2	19	2.02	0.52	2.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1035)	1:20:B:LEU:HD12	1:35:B:ALA:HB1	19	2.02	0.52	2.1
(3,1035)	1:20:B:LEU:HD11	1:35:B:ALA:HB1	19	2.02	0.52	2.1
(3,1035)	1:20:B:LEU:HD12	1:35:B:ALA:HB3	19	2.02	0.52	2.1
(3,1035)	1:20:B:LEU:HD12	1:35:B:ALA:HB2	19	2.02	0.52	2.1
(3,1035)	1:20:B:LEU:HD11	1:35:B:ALA:HB2	19	2.02	0.52	2.1
(3,1035)	1:20:B:LEU:HD11	1:35:B:ALA:HB3	19	2.02	0.52	2.1
(3,1035)	1:20:B:LEU:HD13	1:35:B:ALA:HB1	19	2.02	0.52	2.1
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	19	1.98	0.5	1.85
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	19	1.98	0.11	2.0
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	19	1.98	0.11	2.0
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	19	1.98	0.11	2.0
(3,712)	1:87:B:LEU:HD12	1:103:B:LYS:H	19	1.9	0.95	1.99
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	19	1.9	0.95	1.99
(3,712)	1:87:B:LEU:HD13	1:103:B:LYS:H	19	1.9	0.95	1.99
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD22	19	1.9	0.42	1.97
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD21	19	1.9	0.42	1.97
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD23	19	1.9	0.42	1.97
(3,1638)	1:80:B:GLN:HA	1:84:B:LEU:HD22	19	1.9	0.42	1.97
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	19	1.87	0.56	1.83
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	19	1.87	0.56	1.83
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	19	1.87	0.56	1.83
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	19	1.87	0.56	1.83
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	19	1.87	0.56	1.83
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	19	1.87	0.56	1.83
(3,385)	1:130:B:LEU:HD21	1:115:B:VAL:HB	19	1.84	0.83	1.59
(3,385)	1:82:B:LEU:HD23	1:85:B:GLN:HB3	19	1.84	0.83	1.59
(3,385)	1:130:B:LEU:HD22	1:115:B:VAL:HB	19	1.84	0.83	1.59
(3,385)	1:82:B:LEU:HD21	1:85:B:GLN:HB3	19	1.84	0.83	1.59
(3,385)	1:130:B:LEU:HD23	1:115:B:VAL:HB	19	1.84	0.83	1.59
(3,385)	1:82:B:LEU:HD22	1:85:B:GLN:HB3	19	1.84	0.83	1.59
(1,880)	1:75:B:LEU:HD22	1:76:B:TRP:HD1	19	1.83	0.47	1.94
(1,880)	1:75:B:LEU:HD21	1:76:B:TRP:HD1	19	1.83	0.47	1.94
(1,880)	1:75:B:LEU:HD23	1:76:B:TRP:HD1	19	1.83	0.47	1.94
(1,880)	1:75:B:LEU:HD22	1:76:B:TRP:HE3	19	1.83	0.47	1.94
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD12	19	1.82	0.09	1.81
(3,272)	1:118:B:LEU:H	1:123:B:LEU:HB3	19	1.82	0.09	1.81
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD13	19	1.82	0.09	1.81
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD11	19	1.82	0.09	1.81
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	19	1.81	0.29	1.86
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	19	1.81	0.29	1.86
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	19	1.81	0.29	1.86
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	19	1.81	0.29	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	19	1.81	0.29	1.86
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	19	1.81	0.29	1.86
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	19	1.81	0.29	1.86
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	19	1.81	0.29	1.86
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	19	1.81	0.29	1.86
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	19	1.74	0.16	1.78
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	19	1.74	0.16	1.78
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	19	1.74	0.16	1.78
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	19	1.74	0.16	1.78
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	19	1.74	0.16	1.78
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	19	1.74	0.16	1.78
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	19	1.74	0.16	1.78
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	19	1.74	0.16	1.78
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	19	1.74	0.16	1.78
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	19	1.58	0.19	1.58
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	19	1.58	0.19	1.58
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	19	1.58	0.19	1.58
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	19	1.54	0.29	1.62
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	19	1.54	0.29	1.62
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	19	1.54	0.29	1.62
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	19	1.52	0.51	1.25
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	19	1.52	0.51	1.25
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	19	1.52	0.51	1.25
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG2	19	1.52	0.51	1.25
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG2	19	1.52	0.51	1.25
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG2	19	1.52	0.51	1.25
(3,1315)	1:59:B:LEU:HD12	1:18:B:ARG:HB3	19	1.46	0.29	1.47
(3,1315)	1:59:B:LEU:HD11	1:18:B:ARG:HB3	19	1.46	0.29	1.47
(3,1315)	1:59:B:LEU:HD13	1:18:B:ARG:HB3	19	1.46	0.29	1.47
(3,1315)	1:59:B:LEU:HD12	1:22:B:LEU:HG	19	1.46	0.29	1.47
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	19	1.39	0.53	1.33
(3,999)	1:89:B:GLU:HG2	1:86:B:ARG:HG2	19	1.39	0.53	1.33
(3,999)	1:34:B:GLU:HG2	1:47:B:ARG:HB3	19	1.39	0.53	1.33
(3,541)	1:124:B:VAL:HG21	1:115:B:VAL:HB	19	1.3	0.24	1.29
(3,541)	1:124:B:VAL:HG22	1:115:B:VAL:HB	19	1.3	0.24	1.29
(3,541)	1:124:B:VAL:HG23	1:115:B:VAL:HB	19	1.3	0.24	1.29
(3,541)	1:124:B:VAL:HG21	1:129:B:GLU:HB3	19	1.3	0.24	1.29
(3,541)	1:124:B:VAL:HG23	1:129:B:GLU:HB3	19	1.3	0.24	1.29
(3,541)	1:124:B:VAL:HG21	1:126:B:GLU:HG3	19	1.3	0.24	1.29
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	19	1.29	0.31	1.27
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	19	1.29	0.31	1.27
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	19	1.29	0.31	1.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	19	1.29	0.31	1.27
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	19	1.29	0.31	1.27
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	19	1.29	0.31	1.27
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	19	1.27	0.24	1.32
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	19	1.27	0.24	1.32
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	19	1.27	0.24	1.32
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG13	19	1.25	0.7	1.24
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG11	19	1.25	0.7	1.24
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG12	19	1.25	0.7	1.24
(3,1186)	1:73:B:ILE:HD13	1:74:B:VAL:HB	19	1.24	0.68	1.3
(3,1186)	1:73:B:ILE:HD12	1:74:B:VAL:HB	19	1.24	0.68	1.3
(3,1186)	1:73:B:ILE:HD11	1:74:B:VAL:HB	19	1.24	0.68	1.3
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE1	19	1.22	0.55	1.08
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE2	19	1.22	0.55	1.08
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	19	1.22	0.55	1.08
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	19	1.22	0.55	1.08
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD12	19	1.18	0.51	1.24
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD11	19	1.18	0.51	1.24
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG13	19	1.18	0.51	1.24
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG12	19	1.18	0.51	1.24
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG11	19	1.18	0.51	1.24
(3,726)	1:114:B:ILE:HG13	1:117:B:LYS:HD3	19	1.18	0.51	1.24
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD13	19	1.18	0.51	1.24
(3,1190)	1:73:B:ILE:HG23	1:74:B:VAL:HB	19	1.17	0.24	1.18
(3,1190)	1:73:B:ILE:HG22	1:74:B:VAL:HB	19	1.17	0.24	1.18
(3,1190)	1:73:B:ILE:HG21	1:74:B:VAL:HB	19	1.17	0.24	1.18
(3,1859)	1:8:B:THR:HG23	1:9:B:TRP:HE1	19	1.17	0.22	1.22
(3,1859)	1:8:B:THR:HG22	1:9:B:TRP:HE1	19	1.17	0.22	1.22
(3,1859)	1:8:B:THR:HG21	1:9:B:TRP:HE1	19	1.17	0.22	1.22
(3,1859)	1:42:B:THR:HG21	1:9:B:TRP:HE1	19	1.17	0.22	1.22
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	19	1.17	0.12	1.19
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	19	1.17	0.12	1.19
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	19	1.17	0.12	1.19
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	19	1.17	0.12	1.19
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	19	1.17	0.12	1.19
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	19	1.17	0.12	1.19
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	19	1.17	0.12	1.19
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	19	1.17	0.12	1.19
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	19	1.17	0.12	1.19
(3,1188)	1:73:B:ILE:HG23	1:109:B:ARG:HD3	19	1.14	0.42	1.03
(3,1188)	1:73:B:ILE:HG22	1:109:B:ARG:HD3	19	1.14	0.42	1.03
(3,1188)	1:73:B:ILE:HG21	1:109:B:ARG:HD3	19	1.14	0.42	1.03

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1566)	1:40:B:LEU:HB3	1:45:B:ARG:HD3	19	1.12	0.53	0.97
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	19	1.12	0.53	0.97
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HG3	19	1.09	0.34	1.13
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HB3	19	1.09	0.34	1.13
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HB2	19	1.09	0.34	1.13
(1,2276)	1:43:B:VAL:HG21	1:49:B:GLN:HB3	19	1.09	0.34	1.13
(1,2276)	1:43:B:VAL:HG22	1:49:B:GLN:HB3	19	1.09	0.34	1.13
(1,2276)	1:43:B:VAL:HG22	1:49:B:GLN:HB2	19	1.09	0.34	1.13
(1,2276)	1:43:B:VAL:HG22	1:49:B:GLN:HG3	19	1.09	0.34	1.13
(3,550)	1:124:B:VAL:HG12	1:118:B:LEU:HB3	19	1.08	0.54	0.99
(3,550)	1:124:B:VAL:HG11	1:118:B:LEU:HB3	19	1.08	0.54	0.99
(3,550)	1:124:B:VAL:HG13	1:118:B:LEU:HB3	19	1.08	0.54	0.99
(1,2034)	1:57:B:MET:HE3	1:21:B:TYR:HD1	19	1.06	0.5	1.17
(1,2034)	1:57:B:MET:HE3	1:21:B:TYR:HD2	19	1.06	0.5	1.17
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD2	19	1.06	0.5	1.17
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD1	19	1.06	0.5	1.17
(1,2034)	1:57:B:MET:HE2	1:21:B:TYR:HD2	19	1.06	0.5	1.17
(1,2034)	1:57:B:MET:HE2	1:21:B:TYR:HD1	19	1.06	0.5	1.17
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	19	1.04	0.28	1.09
(3,1139)	1:72:B:HIS:HB2	1:73:B:ILE:HG13	19	1.04	0.28	1.09
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG11	19	1.04	0.55	1.0
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG22	19	1.04	0.55	1.0
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG13	19	1.04	0.55	1.0
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG12	19	1.04	0.55	1.0
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG11	19	1.04	0.55	1.0
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG21	19	1.04	0.55	1.0
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG23	19	1.04	0.55	1.0
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG12	19	1.04	0.55	1.0
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG13	19	1.04	0.55	1.0
(3,621)	1:119:B:LEU:HD13	1:119:B:LEU:HB2	19	1.03	0.21	1.08
(3,621)	1:119:B:LEU:HD11	1:119:B:LEU:HB2	19	1.03	0.21	1.08
(3,621)	1:119:B:LEU:HD12	1:119:B:LEU:HB2	19	1.03	0.21	1.08
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	19	1.02	0.06	1.02
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	19	1.02	0.06	1.02
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	19	1.02	0.06	1.02
(3,1180)	1:74:B:VAL:HG22	1:76:B:TRP:HZ3	19	1.01	0.85	0.65
(3,1180)	1:74:B:VAL:HG22	1:72:B:HIS:HD2	19	1.01	0.85	0.65
(3,1180)	1:74:B:VAL:HG23	1:76:B:TRP:HZ3	19	1.01	0.85	0.65
(3,1180)	1:74:B:VAL:HG21	1:76:B:TRP:HZ3	19	1.01	0.85	0.65
(3,1180)	1:74:B:VAL:HG21	1:72:B:HIS:HD2	19	1.01	0.85	0.65
(3,1110)	1:82:B:LEU:HD12	1:87:B:LEU:H	19	1.0	0.45	1.08
(3,1110)	1:82:B:LEU:HD13	1:87:B:LEU:H	19	1.0	0.45	1.08

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1110)	1:82:B:LEU:HD12	1:81:B:GLU:H	19	1.0	0.45	1.08
(3,1110)	1:82:B:LEU:HD11	1:87:B:LEU:H	19	1.0	0.45	1.08
(3,1110)	1:82:B:LEU:HD13	1:81:B:GLU:H	19	1.0	0.45	1.08
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	19	0.99	0.51	1.0
(3,1287)	1:61:B:ASP:HB2	1:64:B:LYS:HB3	19	0.99	0.51	1.0
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	19	0.99	0.56	1.08
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	19	0.99	0.56	1.08
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	19	0.99	0.56	1.08
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	19	0.98	0.18	1.02
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	19	0.98	0.38	0.91
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	19	0.98	0.38	0.91
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	19	0.98	0.38	0.91
(3,1670)	1:32:B:VAL:HG23	1:37:B:LEU:H	19	0.95	0.33	1.02
(3,1670)	1:32:B:VAL:HG22	1:22:B:LEU:H	19	0.95	0.33	1.02
(3,1670)	1:32:B:VAL:HG23	1:22:B:LEU:H	19	0.95	0.33	1.02
(3,1670)	1:32:B:VAL:HG21	1:22:B:LEU:H	19	0.95	0.33	1.02
(3,1670)	1:32:B:VAL:HG21	1:37:B:LEU:H	19	0.95	0.33	1.02
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	19	0.94	0.12	0.92
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	19	0.94	0.12	0.92
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	19	0.94	0.12	0.92
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	19	0.93	0.03	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	19	0.93	0.03	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	19	0.93	0.03	0.94
(3,1234)	1:46:B:THR:HG22	1:47:B:ARG:HD3	19	0.93	0.48	0.94
(3,1234)	1:46:B:THR:HG23	1:47:B:ARG:HD3	19	0.93	0.48	0.94
(3,1234)	1:46:B:THR:HG21	1:47:B:ARG:HD3	19	0.93	0.48	0.94
(3,1234)	1:46:B:THR:HG23	1:52:B:HIS:HB2	19	0.93	0.48	0.94
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD21	19	0.91	0.45	0.92
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD23	19	0.91	0.45	0.92
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD22	19	0.91	0.45	0.92
(3,192)	1:85:B:GLN:HE22	1:121:B:LEU:HD23	19	0.91	0.45	0.92
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	19	0.87	0.3	0.8
(3,1733)	1:21:B:TYR:HE1	1:54:B:LEU:HG	19	0.87	0.3	0.8
(3,1733)	1:21:B:TYR:HE1	1:57:B:MET:HB3	19	0.87	0.3	0.8
(3,1591)	1:39:B:HIS:HD2	1:40:B:LEU:HD22	19	0.85	0.3	0.98
(3,1591)	1:39:B:HIS:HD2	1:40:B:LEU:HD11	19	0.85	0.3	0.98
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG22	19	0.85	0.3	0.98
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG23	19	0.85	0.3	0.98
(3,1591)	1:39:B:HIS:HD2	1:40:B:LEU:HD23	19	0.85	0.3	0.98
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG21	19	0.85	0.3	0.98
(3,1591)	1:39:B:HIS:HD2	1:40:B:LEU:HD12	19	0.85	0.3	0.98
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	19	0.74	0.65	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	19	0.74	0.65	0.42
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	19	0.74	0.65	0.42
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	19	0.74	0.34	0.83
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	19	0.74	0.34	0.83
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	19	0.74	0.34	0.83
(3,1418)	1:9:B:TRP:HE3	1:12:B:GLU:HB3	19	0.71	0.3	0.66
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	19	0.71	0.3	0.66
(3,1418)	1:52:B:HIS:HD2	1:55:B:VAL:HB	19	0.71	0.3	0.66
(3,811)	1:107:B:ALA:HB2	1:109:B:ARG:HB2	19	0.68	0.24	0.76
(3,811)	1:107:B:ALA:HB1	1:108:B:LYS:HB2	19	0.68	0.24	0.76
(3,811)	1:107:B:ALA:HB3	1:109:B:ARG:HB2	19	0.68	0.24	0.76
(3,811)	1:107:B:ALA:HB3	1:108:B:LYS:HB2	19	0.68	0.24	0.76
(3,811)	1:107:B:ALA:HB1	1:109:B:ARG:HB2	19	0.68	0.24	0.76
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	19	0.64	0.17	0.65
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	19	0.64	0.14	0.65
(3,553)	1:124:B:VAL:HG11	1:128:B:ARG:H	19	0.63	0.14	0.61
(3,553)	1:124:B:VAL:HG13	1:128:B:ARG:H	19	0.63	0.14	0.61
(3,553)	1:124:B:VAL:HG12	1:128:B:ARG:H	19	0.63	0.14	0.61
(3,562)	1:55:B:VAL:HG21	1:55:B:VAL:HA	19	0.61	0.02	0.61
(3,562)	1:55:B:VAL:HG22	1:55:B:VAL:HA	19	0.61	0.02	0.61
(3,562)	1:55:B:VAL:HG23	1:55:B:VAL:HA	19	0.61	0.02	0.61
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG23	19	0.6	0.25	0.56
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG21	19	0.6	0.25	0.56
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG22	19	0.6	0.25	0.56
(3,1680)	1:122:B:GLY:HA3	1:123:B:LEU:HD12	19	0.6	0.25	0.56
(3,1423)	1:52:B:HIS:HE1	1:56:B:GLN:HG2	19	0.59	0.22	0.66
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	19	0.59	0.22	0.66
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	19	0.54	0.22	0.51
(3,1851)	1:9:B:TRP:HZ2	1:17:B:LEU:HA	19	0.54	0.22	0.51
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB2	19	0.52	0.16	0.5
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB2	19	0.52	0.16	0.5
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB2	19	0.52	0.16	0.5
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	19	0.52	0.16	0.5
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	19	0.52	0.16	0.5
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	19	0.52	0.16	0.5
(3,691)	1:22:B:LEU:HD23	1:21:B:TYR:HB3	19	0.51	0.13	0.52
(3,691)	1:22:B:LEU:HD22	1:21:B:TYR:HB3	19	0.51	0.13	0.52
(3,691)	1:33:B:VAL:HG23	1:51:B:ILE:HA	19	0.51	0.13	0.52
(3,691)	1:22:B:LEU:HD21	1:21:B:TYR:HB3	19	0.51	0.13	0.52
(3,691)	1:97:B:VAL:HG22	1:88:B:PHE:HB2	19	0.51	0.13	0.52
(3,691)	1:33:B:VAL:HG22	1:51:B:ILE:HA	19	0.51	0.13	0.52
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	19	0.46	0.16	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1914)	1:64:B:LYS:HD3	1:64:B:LYS:HA	19	0.46	0.16	0.44
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	19	0.45	0.22	0.45
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	19	0.45	0.22	0.45
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	19	0.45	0.22	0.45
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	19	0.39	0.27	0.28
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	19	0.39	0.27	0.28
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	19	0.39	0.27	0.28
(3,591)	1:20:B:LEU:HD23	1:40:B:LEU:H	19	0.38	0.15	0.38
(3,591)	1:20:B:LEU:HD21	1:40:B:LEU:H	19	0.38	0.15	0.38
(3,591)	1:20:B:LEU:HD23	1:23:B:ALA:H	19	0.38	0.15	0.38
(3,591)	1:20:B:LEU:HD22	1:23:B:ALA:H	19	0.38	0.15	0.38
(3,591)	1:20:B:LEU:HD21	1:23:B:ALA:H	19	0.38	0.15	0.38
(3,544)	1:124:B:VAL:HG23	1:124:B:VAL:HA	19	0.37	0.03	0.37
(3,544)	1:124:B:VAL:HG21	1:124:B:VAL:HA	19	0.37	0.03	0.37
(3,544)	1:124:B:VAL:HG22	1:124:B:VAL:HA	19	0.37	0.03	0.37
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB2	19	0.21	0.04	0.21
(3,427)	1:136:B:LYS:HA	1:136:B:LYS:HB3	19	0.21	0.04	0.21
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB3	19	0.21	0.04	0.21
(3,427)	1:68:B:ARG:HA	1:68:B:ARG:HB2	19	0.21	0.04	0.21
(3,427)	1:136:B:LYS:HA	1:136:B:LYS:HB2	19	0.21	0.04	0.21
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	19	0.21	0.03	0.22
(3,397)	1:25:B:LYS:HE2	1:25:B:LYS:HD2	19	0.21	0.03	0.22
(3,397)	1:48:B:LYS:HE3	1:48:B:LYS:HG2	19	0.21	0.03	0.22
(3,397)	1:25:B:LYS:HE2	1:25:B:LYS:HD3	19	0.21	0.03	0.22
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	19	0.21	0.03	0.2
(3,676)	1:63:B:VAL:HB	1:63:B:VAL:HG21	19	0.2	0.02	0.2
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG23	19	0.2	0.02	0.2
(3,676)	1:115:B:VAL:HB	1:115:B:VAL:HG21	19	0.2	0.02	0.2
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG21	19	0.2	0.02	0.2
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG22	19	0.2	0.02	0.2
(3,676)	1:63:B:VAL:HB	1:63:B:VAL:HG23	19	0.2	0.02	0.2
(3,676)	1:63:B:VAL:HB	1:63:B:VAL:HG13	19	0.2	0.02	0.2
(3,676)	1:115:B:VAL:HB	1:115:B:VAL:HG23	19	0.2	0.02	0.2
(3,676)	1:63:B:VAL:HB	1:63:B:VAL:HG11	19	0.2	0.02	0.2
(3,400)	1:136:B:LYS:HE2	1:136:B:LYS:HD3	19	0.19	0.03	0.18
(3,400)	1:64:B:LYS:HE3	1:64:B:LYS:HD2	19	0.19	0.03	0.18
(3,400)	1:137:B:LYS:HE3	1:137:B:LYS:HD2	19	0.19	0.03	0.18
(3,400)	1:48:B:LYS:HE2	1:48:B:LYS:HD3	19	0.19	0.03	0.18
(3,400)	1:136:B:LYS:HE3	1:136:B:LYS:HD2	19	0.19	0.03	0.18
(3,400)	1:137:B:LYS:HE2	1:137:B:LYS:HD3	19	0.19	0.03	0.18
(3,400)	1:48:B:LYS:HE3	1:48:B:LYS:HD2	19	0.19	0.03	0.18
(3,963)	1:132:B:LYS:HG2	1:132:B:LYS:HD3	19	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,963)	1:133:B:LYS:HG2	1:133:B:LYS:HD3	19	0.18	0.02	0.18
(3,963)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	19	0.18	0.02	0.18
(3,963)	1:133:B:LYS:HG3	1:133:B:LYS:HD2	19	0.18	0.02	0.18
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	19	0.12	0.01	0.12
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	19	0.12	0.01	0.12
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	19	0.12	0.01	0.12
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE2	18	5.28	2.47	5.19
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE3	18	5.28	2.47	5.19
(1,1799)	1:138:B:LEU:HB3	1:136:B:LYS:HE3	18	5.28	2.47	5.19
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	18	4.43	1.62	5.16
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	18	4.43	1.62	5.16
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	18	4.43	1.62	5.16
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	18	3.04	1.19	3.62
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE3	18	2.45	0.75	2.6
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE3	18	2.45	0.75	2.6
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE3	18	2.45	0.75	2.6
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	18	2.45	0.75	2.6
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	18	2.45	0.75	2.6
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	18	2.45	0.75	2.6
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	18	2.02	1.27	2.42
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	18	2.02	1.27	2.42
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	18	2.02	1.27	2.42
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD2	18	1.85	0.41	1.93
(3,1240)	1:122:B:GLY:HA2	1:119:B:LEU:HB2	18	1.85	0.41	1.93
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD3	18	1.85	0.41	1.93
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	18	1.68	0.62	1.66
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	18	1.68	0.62	1.66
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	18	1.68	0.62	1.66
(3,817)	1:105:B:ILE:HD11	1:76:B:TRP:HE3	18	1.68	0.25	1.73
(3,817)	1:101:B:ILE:HD13	1:104:B:ASN:H	18	1.68	0.25	1.73
(3,817)	1:101:B:ILE:HD11	1:104:B:ASN:H	18	1.68	0.25	1.73
(3,817)	1:101:B:ILE:HD12	1:104:B:ASN:H	18	1.68	0.25	1.73
(3,817)	1:105:B:ILE:HD13	1:76:B:TRP:HE3	18	1.68	0.25	1.73
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	18	1.63	0.27	1.74
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	18	1.63	0.27	1.74
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	18	1.63	0.27	1.74
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG12	18	1.62	0.72	1.4
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG11	18	1.62	0.72	1.4
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG13	18	1.62	0.72	1.4
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	18	1.61	0.21	1.56
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	18	1.61	0.21	1.56
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	18	1.61	0.21	1.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	18	1.43	0.26	1.37
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	18	1.43	0.26	1.37
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	18	1.43	0.26	1.37
(3,903)	1:98:B:LEU:HD21	1:130:B:LEU:HA	18	1.36	0.49	1.38
(3,903)	1:98:B:LEU:HD22	1:130:B:LEU:HA	18	1.36	0.49	1.38
(3,903)	1:98:B:LEU:HD23	1:130:B:LEU:HA	18	1.36	0.49	1.38
(3,807)	1:107:B:ALA:HB1	1:74:B:VAL:HG13	18	1.29	0.56	1.28
(3,807)	1:107:B:ALA:HB2	1:74:B:VAL:HG11	18	1.29	0.56	1.28
(3,807)	1:107:B:ALA:HB2	1:74:B:VAL:HG12	18	1.29	0.56	1.28
(3,807)	1:107:B:ALA:HB3	1:74:B:VAL:HG12	18	1.29	0.56	1.28
(3,807)	1:107:B:ALA:HB3	1:74:B:VAL:HG11	18	1.29	0.56	1.28
(3,807)	1:107:B:ALA:HB1	1:74:B:VAL:HG12	18	1.29	0.56	1.28
(3,807)	1:107:B:ALA:HB2	1:74:B:VAL:HG13	18	1.29	0.56	1.28
(3,807)	1:107:B:ALA:HB3	1:74:B:VAL:HG13	18	1.29	0.56	1.28
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	18	1.27	0.39	1.35
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	18	1.27	0.39	1.35
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	18	1.27	0.39	1.35
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	18	1.22	0.21	1.18
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	18	1.22	0.21	1.18
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	18	1.22	0.21	1.18
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	18	1.2	0.62	1.14
(3,596)	1:84:B:LEU:HD22	1:114:B:ILE:HG13	18	1.09	0.54	1.13
(3,596)	1:84:B:LEU:HD21	1:114:B:ILE:HG13	18	1.09	0.54	1.13
(3,596)	1:20:B:LEU:HD23	1:40:B:LEU:HG	18	1.09	0.54	1.13
(3,596)	1:84:B:LEU:HD23	1:114:B:ILE:HG13	18	1.09	0.54	1.13
(3,596)	1:20:B:LEU:HD21	1:40:B:LEU:HG	18	1.09	0.54	1.13
(3,596)	1:20:B:LEU:HD22	1:40:B:LEU:HG	18	1.09	0.54	1.13
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	18	1.08	0.19	1.1
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	18	1.08	0.19	1.1
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	18	1.08	0.19	1.1
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	18	1.07	0.77	0.78
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	18	1.07	0.77	0.78
(3,357)	1:98:B:LEU:HD13	1:114:B:ILE:H	18	1.06	0.5	1.09
(3,357)	1:98:B:LEU:HD12	1:114:B:ILE:H	18	1.06	0.5	1.09
(3,357)	1:98:B:LEU:HD11	1:114:B:ILE:H	18	1.06	0.5	1.09
(3,908)	1:98:B:LEU:HD13	1:115:B:VAL:HG12	18	1.02	0.94	0.53
(3,908)	1:98:B:LEU:HD13	1:115:B:VAL:HG13	18	1.02	0.94	0.53
(3,908)	1:98:B:LEU:HD12	1:115:B:VAL:HG13	18	1.02	0.94	0.53
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG11	18	1.02	0.94	0.53
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG13	18	1.02	0.94	0.53
(3,908)	1:98:B:LEU:HD12	1:115:B:VAL:HG11	18	1.02	0.94	0.53
(3,908)	1:98:B:LEU:HD12	1:115:B:VAL:HG12	18	1.02	0.94	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG12	18	1.02	0.94	0.53
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	18	0.94	0.13	0.96
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	18	0.94	0.13	0.96
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	18	0.94	0.13	0.96
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	18	0.94	0.13	0.96
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	18	0.94	0.13	0.96
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	18	0.94	0.13	0.96
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	18	0.94	0.61	0.94
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	18	0.92	0.17	0.92
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	18	0.92	0.17	0.92
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	18	0.92	0.17	0.92
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD13	18	0.92	0.27	0.93
(3,195)	1:86:B:ARG:H	1:90:B:GLU:HG2	18	0.92	0.27	0.93
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD12	18	0.92	0.27	0.93
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD11	18	0.92	0.27	0.93
(3,195)	1:86:B:ARG:H	1:87:B:LEU:HD21	18	0.92	0.27	0.93
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	18	0.92	0.33	1.06
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	18	0.92	0.33	1.06
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	18	0.91	0.02	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	18	0.91	0.02	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	18	0.91	0.02	0.91
(3,447)	1:134:B:ARG:HB2	1:135:B:GLN:HG2	18	0.88	0.4	0.83
(3,447)	1:134:B:ARG:HB2	1:135:B:GLN:HG3	18	0.88	0.4	0.83
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG2	18	0.88	0.4	0.83
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG3	18	0.88	0.4	0.83
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG21	18	0.86	0.37	0.78
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD11	18	0.86	0.37	0.78
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD12	18	0.86	0.37	0.78
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG23	18	0.86	0.37	0.78
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG22	18	0.86	0.37	0.78
(3,897)	1:98:B:LEU:HD23	1:101:B:ILE:HB	18	0.83	0.4	0.74
(3,897)	1:98:B:LEU:HD21	1:101:B:ILE:HB	18	0.83	0.4	0.74
(3,897)	1:98:B:LEU:HD22	1:101:B:ILE:HB	18	0.83	0.4	0.74
(3,897)	1:98:B:LEU:HD23	1:118:B:LEU:HB2	18	0.83	0.4	0.74
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	18	0.82	0.15	0.82
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	18	0.82	0.15	0.82
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	18	0.82	0.15	0.82
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	18	0.82	0.15	0.82
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	18	0.82	0.15	0.82
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	18	0.82	0.15	0.82
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	18	0.82	0.15	0.82
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	18	0.82	0.15	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	18	0.82	0.15	0.82
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG23	18	0.76	0.5	0.6
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG22	18	0.76	0.5	0.6
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG21	18	0.76	0.5	0.6
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	18	0.75	0.35	0.84
(3,988)	1:45:B:ARG:HB2	1:52:B:HIS:HB2	18	0.73	0.38	0.8
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	18	0.73	0.38	0.8
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD2	18	0.73	0.38	0.8
(3,988)	1:45:B:ARG:HB3	1:47:B:ARG:HD3	18	0.73	0.38	0.8
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	18	0.69	0.38	0.57
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG23	18	0.67	0.18	0.64
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG21	18	0.67	0.18	0.64
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG22	18	0.67	0.18	0.64
(3,678)	1:115:B:VAL:HB	1:119:B:LEU:HD11	18	0.67	0.18	0.64
(3,1565)	1:22:B:LEU:HB2	1:26:B:ASP:HB2	18	0.67	0.27	0.74
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	18	0.67	0.27	0.74
(3,1565)	1:40:B:LEU:HB2	1:45:B:ARG:HD3	18	0.67	0.27	0.74
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	18	0.67	0.29	0.68
(3,1570)	1:40:B:LEU:HB3	1:37:B:LEU:HA	18	0.67	0.29	0.68
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG11	18	0.67	0.27	0.65
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG12	18	0.67	0.27	0.65
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG23	18	0.67	0.27	0.65
(3,1128)	1:72:B:HIS:HB2	1:74:B:VAL:HG12	18	0.67	0.27	0.65
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG22	18	0.67	0.27	0.65
(3,1128)	1:72:B:HIS:HB2	1:74:B:VAL:HG11	18	0.67	0.27	0.65
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG21	18	0.67	0.27	0.65
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG13	18	0.67	0.27	0.65
(3,585)	1:121:B:LEU:HD13	1:81:B:GLU:H	18	0.66	0.32	0.64
(3,585)	1:121:B:LEU:HD11	1:81:B:GLU:H	18	0.66	0.32	0.64
(3,585)	1:121:B:LEU:HD12	1:81:B:GLU:H	18	0.66	0.32	0.64
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	18	0.65	0.18	0.66
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	18	0.65	0.18	0.66
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	18	0.65	0.18	0.66
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG21	18	0.65	0.28	0.74
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG22	18	0.65	0.28	0.74
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG23	18	0.65	0.28	0.74
(1,1357)	1:108:B:LYS:HB2	1:105:B:ILE:HG23	18	0.65	0.28	0.74
(1,1357)	1:108:B:LYS:HB2	1:105:B:ILE:HG21	18	0.65	0.28	0.74
(1,1357)	1:108:B:LYS:HB2	1:105:B:ILE:HG22	18	0.65	0.28	0.74
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	18	0.6	0.2	0.5
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	18	0.59	0.14	0.6
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	18	0.59	0.14	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	18	0.59	0.14	0.6
(3,1435)	1:51:B:ILE:HG21	1:32:B:VAL:HG11	18	0.52	0.34	0.48
(3,1435)	1:51:B:ILE:HG22	1:48:B:LYS:HG2	18	0.52	0.34	0.48
(3,1435)	1:51:B:ILE:HG23	1:48:B:LYS:HG2	18	0.52	0.34	0.48
(3,1435)	1:51:B:ILE:HG21	1:48:B:LYS:HG2	18	0.52	0.34	0.48
(3,1435)	1:51:B:ILE:HG22	1:32:B:VAL:HG11	18	0.52	0.34	0.48
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	18	0.5	0.2	0.48
(3,1247)	1:67:B:GLN:HB3	1:64:B:LYS:HG3	18	0.5	0.2	0.48
(3,1486)	1:50:B:ILE:HG21	1:34:B:GLU:H	18	0.49	0.19	0.52
(3,1486)	1:50:B:ILE:HG22	1:34:B:GLU:H	18	0.49	0.19	0.52
(3,1486)	1:50:B:ILE:HG21	1:33:B:VAL:H	18	0.49	0.19	0.52
(3,1486)	1:50:B:ILE:HG23	1:34:B:GLU:H	18	0.49	0.19	0.52
(3,1486)	1:50:B:ILE:HG23	1:33:B:VAL:H	18	0.49	0.19	0.52
(3,1486)	1:50:B:ILE:HG22	1:33:B:VAL:H	18	0.49	0.19	0.52
(3,1386)	1:54:B:LEU:HD21	1:17:B:LEU:HD23	18	0.48	0.16	0.54
(3,1386)	1:54:B:LEU:HD23	1:17:B:LEU:HD21	18	0.48	0.16	0.54
(3,1386)	1:54:B:LEU:HD22	1:17:B:LEU:HD21	18	0.48	0.16	0.54
(3,1386)	1:54:B:LEU:HD22	1:54:B:LEU:HB2	18	0.48	0.16	0.54
(3,1386)	1:54:B:LEU:HD21	1:17:B:LEU:HD22	18	0.48	0.16	0.54
(3,1386)	1:54:B:LEU:HD21	1:54:B:LEU:HB2	18	0.48	0.16	0.54
(3,1386)	1:54:B:LEU:HD21	1:17:B:LEU:HD21	18	0.48	0.16	0.54
(3,1386)	1:54:B:LEU:HD23	1:54:B:LEU:HB2	18	0.48	0.16	0.54
(3,1386)	1:54:B:LEU:HD22	1:17:B:LEU:HD23	18	0.48	0.16	0.54
(3,1622)	1:36:B:ILE:HG21	1:37:B:LEU:HG	18	0.47	0.15	0.5
(3,1622)	1:36:B:ILE:HG23	1:37:B:LEU:HG	18	0.47	0.15	0.5
(3,1622)	1:36:B:ILE:HG22	1:20:B:LEU:HG	18	0.47	0.15	0.5
(3,1622)	1:36:B:ILE:HG23	1:20:B:LEU:HG	18	0.47	0.15	0.5
(3,1622)	1:36:B:ILE:HG21	1:20:B:LEU:HG	18	0.47	0.15	0.5
(3,1622)	1:36:B:ILE:HG22	1:37:B:LEU:HG	18	0.47	0.15	0.5
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	18	0.45	0.15	0.45
(3,1103)	1:19:B:GLU:HG2	1:18:B:ARG:H	18	0.45	0.15	0.45
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	18	0.43	0.3	0.34
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	18	0.43	0.3	0.34
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	18	0.43	0.3	0.34
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	18	0.35	0.15	0.36
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HG13	18	0.35	0.15	0.36
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	18	0.29	0.1	0.28
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	18	0.29	0.1	0.28
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	18	0.29	0.1	0.28
(3,713)	1:22:B:LEU:HD23	1:22:B:LEU:H	18	0.27	0.05	0.29
(3,713)	1:22:B:LEU:HD22	1:22:B:LEU:H	18	0.27	0.05	0.29
(3,713)	1:22:B:LEU:HD21	1:22:B:LEU:H	18	0.27	0.05	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1635)	1:35:B:ALA:HB1	1:34:B:GLU:H	18	0.23	0.08	0.24
(3,1635)	1:35:B:ALA:HB3	1:34:B:GLU:H	18	0.23	0.08	0.24
(3,1635)	1:35:B:ALA:HB2	1:34:B:GLU:H	18	0.23	0.08	0.24
(3,1635)	1:35:B:ALA:HB1	1:33:B:VAL:H	18	0.23	0.08	0.24
(3,1635)	1:35:B:ALA:HB3	1:33:B:VAL:H	18	0.23	0.08	0.24
(3,618)	1:119:B:LEU:HD11	1:119:B:LEU:HD22	18	0.23	0.03	0.22
(3,618)	1:119:B:LEU:HD12	1:119:B:LEU:HD22	18	0.23	0.03	0.22
(3,618)	1:119:B:LEU:HD13	1:119:B:LEU:HD22	18	0.23	0.03	0.22
(3,618)	1:119:B:LEU:HD11	1:119:B:LEU:HD21	18	0.23	0.03	0.22
(3,618)	1:119:B:LEU:HD13	1:119:B:LEU:HD23	18	0.23	0.03	0.22
(3,618)	1:119:B:LEU:HD12	1:119:B:LEU:HD23	18	0.23	0.03	0.22
(3,618)	1:119:B:LEU:HD12	1:124:B:VAL:HG23	18	0.23	0.03	0.22
(3,618)	1:119:B:LEU:HD12	1:124:B:VAL:HG21	18	0.23	0.03	0.22
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE2	17	4.02	2.1	4.22
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE2	17	4.02	2.1	4.22
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE2	17	4.02	2.1	4.22
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	17	4.02	2.1	4.22
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	17	4.02	2.1	4.22
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	17	4.02	2.1	4.22
(3,494)	1:59:B:LEU:HD22	1:59:B:LEU:HA	17	2.05	0.22	2.15
(3,494)	1:82:B:LEU:HD23	1:82:B:LEU:HA	17	2.05	0.22	2.15
(3,494)	1:82:B:LEU:HD21	1:82:B:LEU:HA	17	2.05	0.22	2.15
(3,494)	1:59:B:LEU:HD21	1:59:B:LEU:HA	17	2.05	0.22	2.15
(3,494)	1:82:B:LEU:HD22	1:82:B:LEU:HA	17	2.05	0.22	2.15
(3,693)	1:22:B:LEU:HD22	1:18:B:ARG:HG3	17	1.58	0.77	2.04
(3,693)	1:22:B:LEU:HD21	1:18:B:ARG:HG3	17	1.58	0.77	2.04
(3,693)	1:33:B:VAL:HG21	1:37:B:LEU:HG	17	1.58	0.77	2.04
(3,693)	1:22:B:LEU:HD23	1:18:B:ARG:HG3	17	1.58	0.77	2.04
(3,693)	1:33:B:VAL:HG23	1:37:B:LEU:HG	17	1.58	0.77	2.04
(3,693)	1:33:B:VAL:HG22	1:37:B:LEU:HG	17	1.58	0.77	2.04
(3,839)	1:102:B:MET:HE1	1:103:B:LYS:HE2	17	1.54	0.82	1.42
(3,839)	1:102:B:MET:HE3	1:103:B:LYS:HE2	17	1.54	0.82	1.42
(3,839)	1:102:B:MET:HE2	1:103:B:LYS:HE2	17	1.54	0.82	1.42
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG2	17	1.43	0.47	1.41
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG2	17	1.43	0.47	1.41
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG2	17	1.43	0.47	1.41
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	17	1.43	0.47	1.41
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	17	1.43	0.47	1.41
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	17	1.43	0.47	1.41
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	17	1.42	0.34	1.31
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	17	1.42	0.34	1.31
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	17	1.42	0.34	1.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1074)	1:84:B:LEU:HD11	1:118:B:LEU:HD12	17	1.41	0.67	1.26
(3,1074)	1:84:B:LEU:HD12	1:118:B:LEU:HD13	17	1.41	0.67	1.26
(3,1074)	1:84:B:LEU:HD12	1:118:B:LEU:HD11	17	1.41	0.67	1.26
(3,1074)	1:84:B:LEU:HD13	1:118:B:LEU:HD12	17	1.41	0.67	1.26
(3,1074)	1:84:B:LEU:HD11	1:118:B:LEU:HD11	17	1.41	0.67	1.26
(3,1074)	1:84:B:LEU:HD11	1:118:B:LEU:HD13	17	1.41	0.67	1.26
(3,1074)	1:84:B:LEU:HD13	1:118:B:LEU:HD11	17	1.41	0.67	1.26
(3,1267)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	17	1.35	0.82	1.15
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	17	1.35	0.82	1.15
(3,1267)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	17	1.35	0.82	1.15
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	17	1.35	0.82	1.15
(3,1267)	1:136:B:LYS:HG3	1:138:B:LEU:HD22	17	1.35	0.82	1.15
(3,1267)	1:136:B:LYS:HG3	1:138:B:LEU:HD21	17	1.35	0.82	1.15
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG21	17	1.35	0.82	1.15
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	17	1.35	0.82	1.15
(3,1267)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	17	1.35	0.82	1.15
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	17	1.25	0.71	0.94
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	17	1.25	0.71	0.94
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	17	1.25	0.71	0.94
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	17	1.25	0.71	0.94
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	17	1.25	0.71	0.94
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	17	1.25	0.71	0.94
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	17	1.23	0.55	1.18
(3,1764)	1:17:B:LEU:HD11	1:57:B:MET:HE2	17	1.17	0.28	1.11
(3,1764)	1:17:B:LEU:HD11	1:54:B:LEU:HB3	17	1.17	0.28	1.11
(3,1764)	1:17:B:LEU:HD11	1:57:B:MET:HE3	17	1.17	0.28	1.11
(3,1764)	1:17:B:LEU:HD13	1:57:B:MET:HE1	17	1.17	0.28	1.11
(3,1764)	1:17:B:LEU:HD13	1:54:B:LEU:HB3	17	1.17	0.28	1.11
(3,1764)	1:17:B:LEU:HD11	1:57:B:MET:HE1	17	1.17	0.28	1.11
(3,1764)	1:17:B:LEU:HD12	1:57:B:MET:HE1	17	1.17	0.28	1.11
(3,1764)	1:17:B:LEU:HD13	1:57:B:MET:HE3	17	1.17	0.28	1.11
(3,1764)	1:17:B:LEU:HD12	1:57:B:MET:HE2	17	1.17	0.28	1.11
(3,914)	1:98:B:LEU:HD21	1:100:B:HIS:H	17	1.09	0.43	1.22
(3,914)	1:98:B:LEU:HD21	1:130:B:LEU:H	17	1.09	0.43	1.22
(3,914)	1:98:B:LEU:HD22	1:130:B:LEU:H	17	1.09	0.43	1.22
(3,914)	1:37:B:LEU:HD12	1:49:B:GLN:H	17	1.09	0.43	1.22
(3,914)	1:98:B:LEU:HD22	1:100:B:HIS:H	17	1.09	0.43	1.22
(3,914)	1:98:B:LEU:HD23	1:130:B:LEU:H	17	1.09	0.43	1.22
(3,914)	1:37:B:LEU:HD11	1:49:B:GLN:H	17	1.09	0.43	1.22
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	17	1.01	0.08	1.0
(3,1174)	1:74:B:VAL:HG11	1:75:B:LEU:HG	17	0.97	0.56	0.86
(3,1174)	1:74:B:VAL:HG12	1:75:B:LEU:HG	17	0.97	0.56	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1174)	1:74:B:VAL:HG13	1:75:B:LEU:HG	17	0.97	0.56	0.86
(3,1174)	1:74:B:VAL:HG12	1:117:B:LYS:HB3	17	0.97	0.56	0.86
(3,1174)	1:74:B:VAL:HG11	1:117:B:LYS:HB3	17	0.97	0.56	0.86
(3,1174)	1:74:B:VAL:HG13	1:117:B:LYS:HB3	17	0.97	0.56	0.86
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	17	0.94	0.44	0.98
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	17	0.9	0.12	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	17	0.9	0.12	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	17	0.9	0.12	0.92
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	17	0.89	0.36	0.89
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	17	0.89	0.36	0.89
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	17	0.89	0.36	0.89
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	17	0.87	0.13	0.9
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	17	0.87	0.13	0.9
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	17	0.87	0.13	0.9
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	17	0.83	0.34	0.8
(3,1137)	1:76:B:TRP:HB2	1:74:B:VAL:HB	17	0.83	0.34	0.8
(3,1137)	1:52:B:HIS:HB3	1:55:B:VAL:HB	17	0.83	0.34	0.8
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD11	17	0.82	0.55	0.62
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD13	17	0.82	0.55	0.62
(3,261)	1:117:B:LYS:H	1:123:B:LEU:HB2	17	0.82	0.55	0.62
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD12	17	0.82	0.55	0.62
(3,1792)	1:16:B:HIS:HB3	1:43:B:VAL:HG12	17	0.78	0.17	0.75
(3,1792)	1:16:B:HIS:HB3	1:43:B:VAL:HG22	17	0.78	0.17	0.75
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD21	17	0.78	0.17	0.75
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD22	17	0.78	0.17	0.75
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD23	17	0.78	0.17	0.75
(3,1792)	1:16:B:HIS:HB3	1:43:B:VAL:HG23	17	0.78	0.17	0.75
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	17	0.74	0.38	0.82
(3,1605)	1:37:B:LEU:HA	1:39:B:HIS:HB3	17	0.74	0.38	0.82
(3,1875)	1:118:B:LEU:HD13	1:123:B:LEU:HB2	17	0.74	0.32	0.59
(3,1875)	1:118:B:LEU:HD12	1:123:B:LEU:HB2	17	0.74	0.32	0.59
(3,1875)	1:118:B:LEU:HD11	1:123:B:LEU:HB2	17	0.74	0.32	0.59
(3,1875)	1:118:B:LEU:HD11	1:84:B:LEU:HD13	17	0.74	0.32	0.59
(3,1875)	1:118:B:LEU:HD13	1:84:B:LEU:HD11	17	0.74	0.32	0.59
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG12	17	0.74	0.48	0.71
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	17	0.74	0.48	0.71
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG13	17	0.74	0.48	0.71
(3,1344)	1:30:B:GLN:HG2	1:38:B:ALA:HB1	17	0.74	0.48	0.71
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD13	17	0.73	0.2	0.7
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD12	17	0.73	0.2	0.7
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD11	17	0.73	0.2	0.7
(3,1592)	1:38:B:ALA:HA	1:40:B:LEU:HD21	17	0.73	0.2	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,863)	1:36:B:ILE:HD13	1:54:B:LEU:HG	17	0.7	0.53	0.59
(3,863)	1:105:B:ILE:HD12	1:84:B:LEU:HB2	17	0.7	0.53	0.59
(3,863)	1:105:B:ILE:HD13	1:84:B:LEU:HB2	17	0.7	0.53	0.59
(3,863)	1:36:B:ILE:HD11	1:54:B:LEU:HG	17	0.7	0.53	0.59
(3,863)	1:36:B:ILE:HD12	1:54:B:LEU:HG	17	0.7	0.53	0.59
(3,619)	1:119:B:LEU:HD11	1:126:B:GLU:HB2	17	0.65	0.26	0.7
(3,619)	1:119:B:LEU:HD12	1:126:B:GLU:HB2	17	0.65	0.26	0.7
(3,619)	1:119:B:LEU:HD13	1:126:B:GLU:HB2	17	0.65	0.26	0.7
(3,862)	1:101:B:ILE:HD12	1:98:B:LEU:HB3	17	0.64	0.39	0.51
(3,862)	1:101:B:ILE:HD11	1:98:B:LEU:HB3	17	0.64	0.39	0.51
(3,862)	1:101:B:ILE:HD13	1:98:B:LEU:HB3	17	0.64	0.39	0.51
(3,862)	1:105:B:ILE:HD13	1:84:B:LEU:HB2	17	0.64	0.39	0.51
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB3	17	0.62	0.2	0.54
(1,1431)	1:103:B:LYS:HE2	1:103:B:LYS:HB2	17	0.62	0.2	0.54
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB2	17	0.62	0.2	0.54
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE2	17	0.62	0.31	0.52
(1,2592)	1:15:B:ALA:HB2	1:57:B:MET:HE2	17	0.62	0.31	0.52
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE3	17	0.62	0.31	0.52
(1,2592)	1:15:B:ALA:HB2	1:57:B:MET:HE3	17	0.62	0.31	0.52
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE1	17	0.62	0.31	0.52
(1,2592)	1:15:B:ALA:HB2	1:57:B:MET:HE1	17	0.62	0.31	0.52
(1,2592)	1:15:B:ALA:HB1	1:57:B:MET:HE3	17	0.62	0.31	0.52
(1,2592)	1:15:B:ALA:HB1	1:57:B:MET:HE2	17	0.62	0.31	0.52
(3,745)	1:114:B:ILE:HD12	1:115:B:VAL:HA	17	0.59	0.18	0.58
(3,745)	1:114:B:ILE:HD13	1:113:B:ARG:HD2	17	0.59	0.18	0.58
(3,745)	1:114:B:ILE:HD11	1:115:B:VAL:HA	17	0.59	0.18	0.58
(3,745)	1:114:B:ILE:HD13	1:115:B:VAL:HA	17	0.59	0.18	0.58
(3,745)	1:114:B:ILE:HD12	1:113:B:ARG:HD2	17	0.59	0.18	0.58
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG22	17	0.58	0.39	0.57
(3,1126)	1:52:B:HIS:HB3	1:63:B:VAL:HG23	17	0.58	0.39	0.57
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG23	17	0.58	0.39	0.57
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG21	17	0.58	0.39	0.57
(3,1126)	1:52:B:HIS:HB3	1:63:B:VAL:HG22	17	0.58	0.39	0.57
(3,1776)	1:17:B:LEU:HD21	1:53:B:HIS:HE1	17	0.56	0.19	0.61
(3,1776)	1:17:B:LEU:HD21	1:19:B:GLU:H	17	0.56	0.19	0.61
(3,1776)	1:17:B:LEU:HD23	1:19:B:GLU:H	17	0.56	0.19	0.61
(3,1776)	1:17:B:LEU:HD22	1:53:B:HIS:HE1	17	0.56	0.19	0.61
(3,1776)	1:17:B:LEU:HD22	1:19:B:GLU:H	17	0.56	0.19	0.61
(3,1776)	1:17:B:LEU:HD23	1:53:B:HIS:HE1	17	0.56	0.19	0.61
(3,1776)	1:17:B:LEU:HD22	1:16:B:HIS:H	17	0.56	0.19	0.61
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	17	0.53	0.25	0.5
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	17	0.53	0.25	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	17	0.53	0.25	0.5
(3,1528)	1:46:B:THR:HB	1:48:B:LYS:HG3	17	0.53	0.35	0.4
(3,1528)	1:46:B:THR:HB	1:45:B:ARG:HG2	17	0.53	0.35	0.4
(3,1773)	1:17:B:LEU:HD12	1:40:B:LEU:H	17	0.51	0.27	0.52
(3,1773)	1:17:B:LEU:HD13	1:40:B:LEU:H	17	0.51	0.27	0.52
(3,1773)	1:17:B:LEU:HD11	1:40:B:LEU:H	17	0.51	0.27	0.52
(3,1773)	1:17:B:LEU:HD12	1:57:B:MET:H	17	0.51	0.27	0.52
(3,1773)	1:17:B:LEU:HD11	1:57:B:MET:H	17	0.51	0.27	0.52
(3,1338)	1:57:B:MET:HE3	1:57:B:MET:HB3	17	0.47	0.25	0.33
(3,1338)	1:57:B:MET:HE1	1:57:B:MET:HB3	17	0.47	0.25	0.33
(3,1338)	1:57:B:MET:HE2	1:57:B:MET:HB3	17	0.47	0.25	0.33
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD11	17	0.42	0.24	0.39
(3,1655)	1:33:B:VAL:HA	1:33:B:VAL:HG22	17	0.42	0.24	0.39
(3,1655)	1:33:B:VAL:HA	1:33:B:VAL:HG23	17	0.42	0.24	0.39
(3,1655)	1:33:B:VAL:HA	1:33:B:VAL:HG21	17	0.42	0.24	0.39
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD12	17	0.42	0.24	0.39
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD13	17	0.42	0.24	0.39
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD12	17	0.42	0.21	0.32
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD13	17	0.42	0.21	0.32
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD11	17	0.42	0.21	0.32
(3,576)	1:122:B:GLY:HA3	1:121:B:LEU:HD13	17	0.42	0.21	0.32
(3,576)	1:122:B:GLY:HA3	1:121:B:LEU:HD12	17	0.42	0.21	0.32
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	17	0.41	0.31	0.3
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	17	0.41	0.31	0.3
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	17	0.41	0.31	0.3
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	17	0.41	0.31	0.35
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	17	0.41	0.31	0.35
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	17	0.41	0.31	0.35
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	17	0.39	0.27	0.32
(3,1610)	1:119:B:LEU:HD22	1:116:B:ASP:H	17	0.39	0.27	0.32
(3,1610)	1:119:B:LEU:HD21	1:116:B:ASP:H	17	0.39	0.27	0.32
(3,1610)	1:37:B:LEU:HD22	1:36:B:ILE:H	17	0.39	0.27	0.32
(3,620)	1:119:B:LEU:HD12	1:124:B:VAL:HB	17	0.37	0.2	0.37
(3,620)	1:119:B:LEU:HD13	1:124:B:VAL:HB	17	0.37	0.2	0.37
(3,620)	1:119:B:LEU:HD11	1:124:B:VAL:HB	17	0.37	0.2	0.37
(3,620)	1:119:B:LEU:HD11	1:127:B:ARG:HB2	17	0.37	0.2	0.37
(3,1149)	1:52:B:HIS:HB3	1:56:B:GLN:HA	17	0.36	0.14	0.39
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	17	0.36	0.14	0.39
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD12	17	0.34	0.11	0.36
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD11	17	0.34	0.11	0.36
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD11	17	0.34	0.11	0.36
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD12	17	0.34	0.11	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD13	17	0.34	0.11	0.36
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD13	17	0.34	0.11	0.36
(3,1439)	1:51:B:ILE:HD12	1:52:B:HIS:HB2	17	0.3	0.1	0.28
(3,1439)	1:51:B:ILE:HD11	1:47:B:ARG:HD2	17	0.3	0.1	0.28
(3,1439)	1:51:B:ILE:HD13	1:52:B:HIS:HB2	17	0.3	0.1	0.28
(3,1439)	1:51:B:ILE:HD11	1:52:B:HIS:HB2	17	0.3	0.1	0.28
(3,1439)	1:51:B:ILE:HD11	1:47:B:ARG:HD3	17	0.3	0.1	0.28
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	17	0.29	0.09	0.31
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	17	0.29	0.09	0.31
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	17	0.29	0.09	0.31
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD13	17	0.26	0.17	0.2
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD11	17	0.26	0.17	0.2
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD12	17	0.26	0.17	0.2
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG2	17	0.22	0.07	0.21
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG3	17	0.22	0.07	0.21
(3,1517)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	17	0.18	0.04	0.18
(3,1517)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	17	0.18	0.04	0.18
(3,1517)	1:5:B:ARG:HB3	1:5:B:ARG:HG2	17	0.18	0.04	0.18
(3,374)	1:4:B:ARG:HG3	1:4:B:ARG:HD3	17	0.17	0.03	0.18
(3,374)	1:4:B:ARG:HG2	1:4:B:ARG:HD3	17	0.17	0.03	0.18
(3,374)	1:134:B:ARG:HG3	1:134:B:ARG:HD2	17	0.17	0.03	0.18
(3,374)	1:5:B:ARG:HG3	1:5:B:ARG:HD2	17	0.17	0.03	0.18
(3,374)	1:4:B:ARG:HG3	1:4:B:ARG:HD2	17	0.17	0.03	0.18
(3,374)	1:4:B:ARG:HG2	1:4:B:ARG:HD2	17	0.17	0.03	0.18
(3,374)	1:134:B:ARG:HG2	1:134:B:ARG:HD3	17	0.17	0.03	0.18
(3,374)	1:134:B:ARG:HG3	1:134:B:ARG:HD3	17	0.17	0.03	0.18
(3,375)	1:4:B:ARG:HG3	1:4:B:ARG:HD3	17	0.17	0.04	0.15
(3,375)	1:4:B:ARG:HG2	1:4:B:ARG:HD3	17	0.17	0.04	0.15
(3,375)	1:128:B:ARG:HG2	1:128:B:ARG:HD2	17	0.17	0.04	0.15
(3,375)	1:5:B:ARG:HG3	1:5:B:ARG:HD2	17	0.17	0.04	0.15
(3,375)	1:128:B:ARG:HG3	1:128:B:ARG:HD2	17	0.17	0.04	0.15
(3,375)	1:5:B:ARG:HG2	1:5:B:ARG:HD3	17	0.17	0.04	0.15
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	17	0.16	0.03	0.17
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	17	0.16	0.05	0.15
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	17	0.16	0.05	0.15
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	17	0.16	0.05	0.15
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	17	0.13	0.01	0.13
(3,623)	1:119:B:LEU:HD22	1:119:B:LEU:HG	17	0.13	0.01	0.13
(3,623)	1:119:B:LEU:HD21	1:119:B:LEU:HG	17	0.13	0.01	0.13
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	17	0.11	0.01	0.11
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB1	16	3.89	3.85	3.05
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB2	16	3.89	3.85	3.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB3	16	3.89	3.85	3.05
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB1	16	3.89	3.85	3.05
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB2	16	3.89	3.85	3.05
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB3	16	3.89	3.85	3.05
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	16	2.07	0.07	2.06
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	16	2.07	0.07	2.06
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	16	2.07	0.07	2.06
(3,690)	1:115:B:VAL:HG23	1:118:B:LEU:HD11	16	1.72	0.51	1.64
(3,690)	1:115:B:VAL:HG21	1:118:B:LEU:HD11	16	1.72	0.51	1.64
(3,690)	1:115:B:VAL:HG21	1:118:B:LEU:HD13	16	1.72	0.51	1.64
(3,690)	1:115:B:VAL:HG23	1:118:B:LEU:HD13	16	1.72	0.51	1.64
(3,690)	1:115:B:VAL:HG22	1:118:B:LEU:HD13	16	1.72	0.51	1.64
(3,690)	1:115:B:VAL:HG21	1:118:B:LEU:HD12	16	1.72	0.51	1.64
(3,690)	1:115:B:VAL:HG22	1:118:B:LEU:HD12	16	1.72	0.51	1.64
(3,690)	1:115:B:VAL:HG22	1:118:B:LEU:HD11	16	1.72	0.51	1.64
(3,690)	1:115:B:VAL:HG23	1:118:B:LEU:HD12	16	1.72	0.51	1.64
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	16	1.71	0.1	1.71
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	16	1.71	0.1	1.71
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	16	1.71	0.1	1.71
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE3	16	1.61	0.89	1.32
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE2	16	1.61	0.89	1.32
(3,1814)	1:67:B:GLN:HB2	1:64:B:LYS:HE2	16	1.61	0.89	1.32
(3,602)	1:121:B:LEU:HD13	1:85:B:GLN:HG2	16	1.22	0.63	1.12
(3,602)	1:121:B:LEU:HD11	1:85:B:GLN:HG2	16	1.22	0.63	1.12
(3,602)	1:121:B:LEU:HD12	1:85:B:GLN:HG2	16	1.22	0.63	1.12
(3,363)	1:40:B:LEU:HD21	1:39:B:HIS:H	16	1.21	0.31	1.13
(3,363)	1:40:B:LEU:HD23	1:39:B:HIS:H	16	1.21	0.31	1.13
(3,363)	1:40:B:LEU:HD22	1:39:B:HIS:H	16	1.21	0.31	1.13
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	16	1.18	0.55	1.25
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	16	1.18	0.55	1.25
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	16	1.18	0.55	1.25
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	16	1.18	0.55	1.25
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	16	1.18	0.55	1.25
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	16	1.18	0.55	1.25
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	16	1.18	0.55	1.25
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	16	1.18	0.55	1.25
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	16	1.18	0.55	1.25
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	16	1.15	0.22	1.11
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	16	1.15	0.22	1.11
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	16	1.15	0.22	1.11
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG11	16	1.15	0.38	1.11
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG13	16	1.15	0.38	1.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,953)	1:93:B:ASP:HB2	1:97:B:VAL:HG22	16	1.15	0.38	1.11
(3,953)	1:93:B:ASP:HB2	1:97:B:VAL:HG21	16	1.15	0.38	1.11
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG12	16	1.15	0.38	1.11
(3,953)	1:93:B:ASP:HB2	1:97:B:VAL:HG23	16	1.15	0.38	1.11
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	16	1.14	0.52	1.19
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE2	16	1.14	0.52	1.19
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	16	1.11	0.3	1.1
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	16	1.11	0.3	1.1
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	16	1.11	0.3	1.1
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG3	16	1.09	0.66	0.96
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	16	1.09	0.66	0.96
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	16	1.06	0.53	1.34
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	16	1.06	0.53	1.34
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	16	1.06	0.53	1.34
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	16	1.03	0.27	0.96
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	16	1.03	0.27	0.96
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	16	1.03	0.27	0.96
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	16	1.03	0.02	1.02
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	16	1.03	0.02	1.02
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	16	1.03	0.02	1.02
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	16	1.0	0.32	0.97
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	16	1.0	0.32	0.97
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	16	1.0	0.32	0.97
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG13	16	0.99	0.38	0.99
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG12	16	0.99	0.38	0.99
(3,90)	1:48:B:LYS:H	1:50:B:ILE:HG23	16	0.99	0.38	0.99
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG21	16	0.99	0.38	0.99
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG11	16	0.99	0.38	0.99
(3,90)	1:48:B:LYS:H	1:50:B:ILE:HG22	16	0.99	0.38	0.99
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	16	0.98	0.36	1.02
(3,1185)	1:73:B:ILE:HD13	1:109:B:ARG:HD3	16	0.94	0.54	0.97
(3,1185)	1:73:B:ILE:HD12	1:109:B:ARG:HD3	16	0.94	0.54	0.97
(3,1185)	1:73:B:ILE:HD11	1:109:B:ARG:HD3	16	0.94	0.54	0.97
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	16	0.93	0.48	0.9
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	16	0.89	0.41	1.05
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	16	0.89	0.41	1.05
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	16	0.89	0.41	1.05
(1,1138)	1:121:B:LEU:HD13	1:85:B:GLN:HB2	16	0.84	0.6	0.76
(1,1138)	1:121:B:LEU:HD11	1:85:B:GLN:HB2	16	0.84	0.6	0.76
(1,1138)	1:121:B:LEU:HD12	1:85:B:GLN:HB2	16	0.84	0.6	0.76
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG11	16	0.83	0.57	0.77
(3,956)	1:65:B:ASP:HB2	1:63:B:VAL:HG11	16	0.83	0.57	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,956)	1:65:B:ASP:HB2	1:63:B:VAL:HG12	16	0.83	0.57	0.77
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG12	16	0.83	0.57	0.77
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG13	16	0.83	0.57	0.77
(3,956)	1:65:B:ASP:HB2	1:63:B:VAL:HG13	16	0.83	0.57	0.77
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	16	0.8	0.37	0.7
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	16	0.8	0.37	0.7
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	16	0.8	0.37	0.7
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	16	0.8	0.36	0.85
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	16	0.8	0.36	0.85
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	16	0.8	0.36	0.85
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	16	0.74	0.26	0.7
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	16	0.74	0.26	0.7
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	16	0.74	0.26	0.7
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	16	0.74	0.26	0.7
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	16	0.74	0.26	0.7
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	16	0.74	0.26	0.7
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	16	0.74	0.26	0.7
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	16	0.74	0.26	0.7
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	16	0.74	0.26	0.7
(1,2335)	1:40:B:LEU:HD13	1:13:B:GLU:HG3	16	0.74	0.31	0.69
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG2	16	0.74	0.31	0.69
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG3	16	0.74	0.31	0.69
(1,2335)	1:40:B:LEU:HD11	1:13:B:GLU:HG3	16	0.74	0.31	0.69
(1,2335)	1:40:B:LEU:HD13	1:13:B:GLU:HG2	16	0.74	0.31	0.69
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	16	0.64	0.12	0.64
(3,395)	1:48:B:LYS:HE2	1:52:B:HIS:HE1	16	0.64	0.12	0.64
(3,749)	1:114:B:ILE:HD12	1:118:B:LEU:HD23	16	0.58	0.39	0.38
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD23	16	0.58	0.39	0.38
(3,749)	1:114:B:ILE:HD12	1:118:B:LEU:HD21	16	0.58	0.39	0.38
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD22	16	0.58	0.39	0.38
(3,749)	1:114:B:ILE:HD12	1:118:B:LEU:HD22	16	0.58	0.39	0.38
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD21	16	0.58	0.39	0.38
(3,749)	1:114:B:ILE:HD13	1:118:B:LEU:HD22	16	0.58	0.39	0.38
(3,749)	1:114:B:ILE:HD13	1:118:B:LEU:HD23	16	0.58	0.39	0.38
(3,749)	1:114:B:ILE:HD13	1:118:B:LEU:HD21	16	0.58	0.39	0.38
(3,232)	1:104:B:ASN:H	1:87:B:LEU:HB3	16	0.58	0.24	0.6
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	16	0.58	0.24	0.6
(3,1576)	1:40:B:LEU:HD11	1:16:B:HIS:HB3	16	0.58	0.21	0.57
(3,1576)	1:22:B:LEU:HD13	1:18:B:ARG:HD3	16	0.58	0.21	0.57
(3,1576)	1:22:B:LEU:HD12	1:18:B:ARG:HD3	16	0.58	0.21	0.57
(3,1576)	1:22:B:LEU:HD11	1:18:B:ARG:HD3	16	0.58	0.21	0.57
(3,1576)	1:40:B:LEU:HD12	1:16:B:HIS:HB3	16	0.58	0.21	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,722)	1:27:B:VAL:HG13	1:30:B:GLN:HE21	16	0.58	0.28	0.55
(3,722)	1:27:B:VAL:HG12	1:30:B:GLN:HE21	16	0.58	0.28	0.55
(3,722)	1:27:B:VAL:HG11	1:30:B:GLN:HE21	16	0.58	0.28	0.55
(3,1340)	1:57:B:MET:HE3	1:60:B:ALA:H	16	0.55	0.19	0.6
(3,1340)	1:57:B:MET:HE1	1:60:B:ALA:H	16	0.55	0.19	0.6
(3,1340)	1:57:B:MET:HE2	1:60:B:ALA:H	16	0.55	0.19	0.6
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	16	0.49	0.2	0.54
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	16	0.49	0.06	0.49
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	16	0.49	0.06	0.49
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	16	0.49	0.06	0.49
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	16	0.49	0.31	0.42
(3,933)	1:97:B:VAL:HG13	1:88:B:PHE:HB3	16	0.41	0.19	0.34
(3,933)	1:97:B:VAL:HG12	1:111:B:ARG:HD3	16	0.41	0.19	0.34
(3,933)	1:97:B:VAL:HG12	1:88:B:PHE:HB3	16	0.41	0.19	0.34
(3,933)	1:97:B:VAL:HG11	1:88:B:PHE:HB3	16	0.41	0.19	0.34
(3,537)	1:125:B:ALA:HB3	1:126:B:GLU:HG3	16	0.41	0.13	0.44
(3,537)	1:125:B:ALA:HB2	1:126:B:GLU:HG3	16	0.41	0.13	0.44
(3,537)	1:125:B:ALA:HB1	1:126:B:GLU:HG3	16	0.41	0.13	0.44
(3,631)	1:119:B:LEU:HD11	1:128:B:ARG:H	16	0.41	0.21	0.34
(3,631)	1:119:B:LEU:HD12	1:128:B:ARG:H	16	0.41	0.21	0.34
(3,631)	1:119:B:LEU:HD13	1:128:B:ARG:H	16	0.41	0.21	0.34
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	16	0.33	0.13	0.32
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD23	16	0.29	0.09	0.28
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD21	16	0.29	0.09	0.28
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD22	16	0.29	0.09	0.28
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	16	0.28	0.03	0.27
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE2	16	0.28	0.03	0.27
(3,929)	1:97:B:VAL:HG12	1:96:B:ASP:HB3	16	0.26	0.15	0.23
(3,929)	1:97:B:VAL:HG13	1:96:B:ASP:HB2	16	0.26	0.15	0.23
(3,929)	1:97:B:VAL:HG11	1:96:B:ASP:HB3	16	0.26	0.15	0.23
(3,929)	1:97:B:VAL:HG11	1:96:B:ASP:HB2	16	0.26	0.15	0.23
(3,929)	1:97:B:VAL:HG12	1:89:B:GLU:HG3	16	0.26	0.15	0.23
(3,929)	1:97:B:VAL:HG13	1:96:B:ASP:HB3	16	0.26	0.15	0.23
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	16	0.18	0.04	0.18
(3,383)	1:5:B:ARG:HG3	1:5:B:ARG:HB3	16	0.17	0.03	0.18
(3,383)	1:128:B:ARG:HG2	1:128:B:ARG:HB3	16	0.17	0.03	0.18
(3,383)	1:4:B:ARG:HG3	1:4:B:ARG:HB2	16	0.17	0.03	0.18
(3,383)	1:128:B:ARG:HG3	1:128:B:ARG:HB2	16	0.17	0.03	0.18
(3,383)	1:5:B:ARG:HG2	1:5:B:ARG:HB3	16	0.17	0.03	0.18
(3,446)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	16	0.15	0.03	0.16
(3,446)	1:134:B:ARG:HB3	1:134:B:ARG:HG3	16	0.15	0.03	0.16
(3,446)	1:134:B:ARG:HB3	1:134:B:ARG:HG2	16	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,446)	1:5:B:ARG:HB3	1:5:B:ARG:HG2	16	0.15	0.03	0.16
(3,446)	1:134:B:ARG:HB2	1:134:B:ARG:HG3	16	0.15	0.03	0.16
(3,446)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	16	0.15	0.03	0.16
(3,446)	1:134:B:ARG:HB2	1:134:B:ARG:HG2	16	0.15	0.03	0.16
(3,449)	1:4:B:ARG:HD3	1:4:B:ARG:HG3	16	0.14	0.02	0.15
(3,449)	1:4:B:ARG:HD3	1:4:B:ARG:HG2	16	0.14	0.02	0.15
(3,449)	1:128:B:ARG:HD2	1:128:B:ARG:HG2	16	0.14	0.02	0.15
(3,449)	1:128:B:ARG:HD3	1:128:B:ARG:HG2	16	0.14	0.02	0.15
(3,449)	1:4:B:ARG:HD2	1:4:B:ARG:HG3	16	0.14	0.02	0.15
(3,449)	1:128:B:ARG:HD2	1:128:B:ARG:HG3	16	0.14	0.02	0.15
(3,449)	1:134:B:ARG:HD3	1:134:B:ARG:HG2	16	0.14	0.02	0.15
(3,1114)	1:82:B:LEU:HD11	1:79:B:ASP:HB3	15	1.95	0.85	1.96
(3,1114)	1:82:B:LEU:HD12	1:79:B:ASP:HB3	15	1.95	0.85	1.96
(3,1114)	1:82:B:LEU:HD13	1:79:B:ASP:HB3	15	1.95	0.85	1.96
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	15	1.82	0.67	2.01
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	15	1.82	0.67	2.01
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	15	1.82	0.67	2.01
(3,1580)	1:40:B:LEU:HD13	1:16:B:HIS:HD2	15	1.64	0.6	1.82
(3,1580)	1:40:B:LEU:HD12	1:16:B:HIS:HD2	15	1.64	0.6	1.82
(3,1580)	1:22:B:LEU:HD13	1:24:B:ASN:H	15	1.64	0.6	1.82
(3,1580)	1:40:B:LEU:HD11	1:16:B:HIS:HD2	15	1.64	0.6	1.82
(3,1580)	1:22:B:LEU:HD12	1:24:B:ASN:H	15	1.64	0.6	1.82
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG12	15	1.61	0.48	1.59
(3,1646)	1:89:B:GLU:HG2	1:97:B:VAL:HG22	15	1.61	0.48	1.59
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG11	15	1.61	0.48	1.59
(3,1646)	1:89:B:GLU:HG2	1:97:B:VAL:HG23	15	1.61	0.48	1.59
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG22	15	1.61	0.48	1.59
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG23	15	1.61	0.48	1.59
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG13	15	1.61	0.48	1.59
(3,1646)	1:89:B:GLU:HG2	1:97:B:VAL:HG21	15	1.61	0.48	1.59
(3,659)	1:116:B:ASP:HB2	1:127:B:ARG:HG2	15	1.48	0.7	1.67
(3,659)	1:95:B:ASP:HB2	1:132:B:LYS:HD2	15	1.48	0.7	1.67
(3,659)	1:95:B:ASP:HB3	1:132:B:LYS:HD3	15	1.48	0.7	1.67
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	15	1.31	0.18	1.35
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	15	1.31	0.18	1.35
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	15	1.31	0.18	1.35
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	15	1.21	0.3	1.2
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	15	1.21	0.3	1.2
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	15	1.21	0.3	1.2
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	15	1.16	0.43	1.36
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	15	1.13	0.07	1.16
(3,1671)	1:32:B:VAL:HG12	1:66:B:PHE:H	15	1.09	0.44	1.03

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1671)	1:32:B:VAL:HG11	1:66:B:PHE:H	15	1.09	0.44	1.03
(3,1671)	1:32:B:VAL:HG13	1:66:B:PHE:H	15	1.09	0.44	1.03
(3,1027)	1:88:B:PHE:HA	1:123:B:LEU:HB3	15	0.87	0.21	0.89
(3,1027)	1:88:B:PHE:HA	1:84:B:LEU:HD21	15	0.87	0.21	0.89
(3,1027)	1:88:B:PHE:HA	1:84:B:LEU:HD22	15	0.87	0.21	0.89
(3,1027)	1:88:B:PHE:HA	1:84:B:LEU:HD23	15	0.87	0.21	0.89
(3,1288)	1:61:B:ASP:HB3	1:64:B:LYS:HD2	15	0.84	0.4	1.01
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	15	0.84	0.4	1.01
(3,1288)	1:61:B:ASP:HB3	1:64:B:LYS:HD3	15	0.84	0.4	1.01
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	15	0.78	0.23	0.79
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	15	0.78	0.23	0.79
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	15	0.78	0.23	0.79
(1,1255)	1:47:B:ARG:HB2	1:51:B:ILE:HG21	15	0.78	0.23	0.79
(1,1255)	1:47:B:ARG:HB2	1:51:B:ILE:HG22	15	0.78	0.23	0.79
(1,1255)	1:47:B:ARG:HB2	1:51:B:ILE:HG23	15	0.78	0.23	0.79
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	15	0.77	0.38	0.6
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	15	0.77	0.38	0.6
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	15	0.77	0.38	0.6
(3,1108)	1:82:B:LEU:HD12	1:82:B:LEU:H	15	0.75	0.19	0.79
(3,1108)	1:40:B:LEU:HD22	1:42:B:THR:H	15	0.75	0.19	0.79
(3,1108)	1:82:B:LEU:HD11	1:82:B:LEU:H	15	0.75	0.19	0.79
(3,1108)	1:82:B:LEU:HD13	1:82:B:LEU:H	15	0.75	0.19	0.79
(3,1108)	1:40:B:LEU:HD23	1:42:B:THR:H	15	0.75	0.19	0.79
(3,1571)	1:22:B:LEU:HD13	1:54:B:LEU:HD22	15	0.72	0.22	0.82
(3,1571)	1:40:B:LEU:HD12	1:54:B:LEU:HD12	15	0.72	0.22	0.82
(3,1571)	1:22:B:LEU:HD12	1:54:B:LEU:HD22	15	0.72	0.22	0.82
(3,1571)	1:40:B:LEU:HD11	1:54:B:LEU:HD12	15	0.72	0.22	0.82
(3,1571)	1:40:B:LEU:HD11	1:54:B:LEU:HD11	15	0.72	0.22	0.82
(3,1571)	1:22:B:LEU:HD13	1:54:B:LEU:HD21	15	0.72	0.22	0.82
(3,1571)	1:22:B:LEU:HD12	1:54:B:LEU:HD23	15	0.72	0.22	0.82
(3,1571)	1:22:B:LEU:HD11	1:54:B:LEU:HD21	15	0.72	0.22	0.82
(3,1571)	1:22:B:LEU:HD11	1:54:B:LEU:HD23	15	0.72	0.22	0.82
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	15	0.71	0.26	0.72
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	15	0.71	0.26	0.72
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	15	0.71	0.26	0.72
(1,2282)	1:43:B:VAL:HG12	1:49:B:GLN:HG3	15	0.66	0.44	0.48
(1,2282)	1:43:B:VAL:HG12	1:49:B:GLN:HB2	15	0.66	0.44	0.48
(1,2282)	1:43:B:VAL:HG12	1:49:B:GLN:HB3	15	0.66	0.44	0.48
(1,2282)	1:43:B:VAL:HG13	1:49:B:GLN:HB2	15	0.66	0.44	0.48
(1,2282)	1:43:B:VAL:HG13	1:49:B:GLN:HB3	15	0.66	0.44	0.48
(1,2282)	1:43:B:VAL:HG11	1:49:B:GLN:HB3	15	0.66	0.44	0.48
(1,2282)	1:43:B:VAL:HG11	1:49:B:GLN:HB2	15	0.66	0.44	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	15	0.63	0.33	0.66
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	15	0.63	0.33	0.66
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	15	0.63	0.33	0.66
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	15	0.63	0.36	0.6
(3,709)	1:115:B:VAL:HG12	1:119:B:LEU:H	15	0.61	0.22	0.59
(3,709)	1:115:B:VAL:HG13	1:119:B:LEU:H	15	0.61	0.22	0.59
(3,709)	1:84:B:LEU:HD12	1:119:B:LEU:H	15	0.61	0.22	0.59
(3,709)	1:115:B:VAL:HG11	1:119:B:LEU:H	15	0.61	0.22	0.59
(3,709)	1:84:B:LEU:HD13	1:90:B:GLU:H	15	0.61	0.22	0.59
(3,1577)	1:40:B:LEU:HD13	1:42:B:THR:HB	15	0.61	0.33	0.54
(3,1577)	1:40:B:LEU:HD12	1:42:B:THR:HB	15	0.61	0.33	0.54
(3,1577)	1:22:B:LEU:HD11	1:23:B:ALA:HA	15	0.61	0.33	0.54
(3,1577)	1:40:B:LEU:HD11	1:42:B:THR:HB	15	0.61	0.33	0.54
(3,1577)	1:22:B:LEU:HD12	1:23:B:ALA:HA	15	0.61	0.33	0.54
(3,1577)	1:22:B:LEU:HD13	1:23:B:ALA:HA	15	0.61	0.33	0.54
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	15	0.58	0.35	0.5
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	15	0.58	0.35	0.5
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	15	0.58	0.35	0.5
(3,809)	1:107:B:ALA:HB3	1:80:B:GLN:HB3	15	0.57	0.27	0.58
(3,809)	1:107:B:ALA:HB2	1:80:B:GLN:HB3	15	0.57	0.27	0.58
(3,809)	1:107:B:ALA:HB1	1:80:B:GLN:HB3	15	0.57	0.27	0.58
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	15	0.55	0.27	0.52
(3,1569)	1:40:B:LEU:HB2	1:37:B:LEU:HA	15	0.55	0.27	0.52
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	15	0.55	0.2	0.61
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	15	0.55	0.2	0.61
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	15	0.55	0.2	0.61
(1,2760)	1:128:B:ARG:HB3	1:131:B:TYR:HE1	15	0.54	0.13	0.56
(1,2760)	1:128:B:ARG:HB3	1:131:B:TYR:HE2	15	0.54	0.13	0.56
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	15	0.54	0.13	0.56
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	15	0.54	0.13	0.56
(3,1453)	1:51:B:ILE:HD13	1:33:B:VAL:H	15	0.54	0.16	0.63
(3,1453)	1:51:B:ILE:HD11	1:33:B:VAL:H	15	0.54	0.16	0.63
(3,1453)	1:51:B:ILE:HD12	1:33:B:VAL:H	15	0.54	0.16	0.63
(3,1453)	1:51:B:ILE:HD11	1:34:B:GLU:H	15	0.54	0.16	0.63
(3,1453)	1:51:B:ILE:HD12	1:34:B:GLU:H	15	0.54	0.16	0.63
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	15	0.52	0.47	0.31
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HB	15	0.52	0.47	0.31
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	15	0.47	0.26	0.43
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	15	0.47	0.26	0.43
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	15	0.47	0.26	0.43
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	15	0.47	0.2	0.47
(3,714)	1:97:B:VAL:HG23	1:89:B:GLU:H	15	0.46	0.15	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,714)	1:97:B:VAL:HG22	1:89:B:GLU:H	15	0.46	0.15	0.45
(3,714)	1:97:B:VAL:HG21	1:89:B:GLU:H	15	0.46	0.15	0.45
(3,714)	1:33:B:VAL:HG22	1:51:B:ILE:H	15	0.46	0.15	0.45
(3,1005)	1:19:B:GLU:HG3	1:18:B:ARG:H	15	0.43	0.22	0.37
(3,1005)	1:89:B:GLU:HG2	1:86:B:ARG:H	15	0.43	0.22	0.37
(3,1005)	1:83:B:GLU:HG2	1:86:B:ARG:H	15	0.43	0.22	0.37
(3,136)	1:101:B:ILE:H	1:100:B:HIS:HB3	15	0.41	0.07	0.42
(3,136)	1:64:B:LYS:H	1:63:B:VAL:HG12	15	0.41	0.07	0.42
(3,136)	1:64:B:LYS:H	1:63:B:VAL:HG11	15	0.41	0.07	0.42
(3,136)	1:64:B:LYS:H	1:63:B:VAL:HG13	15	0.41	0.07	0.42
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	15	0.39	0.13	0.4
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	15	0.39	0.13	0.4
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	15	0.39	0.13	0.4
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	15	0.33	0.11	0.3
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	15	0.33	0.11	0.3
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	15	0.33	0.11	0.3
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	15	0.32	0.11	0.28
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	15	0.32	0.11	0.28
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	15	0.32	0.11	0.28
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	15	0.32	0.11	0.28
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	15	0.32	0.11	0.28
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	15	0.32	0.11	0.28
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	15	0.32	0.11	0.28
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	15	0.32	0.11	0.28
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	15	0.32	0.11	0.28
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB3	15	0.26	0.11	0.28
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB3	15	0.26	0.11	0.28
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB3	15	0.26	0.11	0.28
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	15	0.26	0.11	0.28
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	15	0.26	0.11	0.28
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	15	0.26	0.11	0.28
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG21	15	0.26	0.09	0.27
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG23	15	0.26	0.09	0.27
(3,80)	1:38:B:ALA:H	1:50:B:ILE:HG21	15	0.26	0.09	0.27
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG22	15	0.26	0.09	0.27
(3,1388)	1:54:B:LEU:HD23	1:56:B:GLN:H	15	0.25	0.09	0.25
(3,1388)	1:54:B:LEU:HD21	1:53:B:HIS:H	15	0.25	0.09	0.25
(3,1388)	1:54:B:LEU:HD22	1:53:B:HIS:H	15	0.25	0.09	0.25
(3,1388)	1:54:B:LEU:HD23	1:53:B:HIS:H	15	0.25	0.09	0.25
(3,1388)	1:54:B:LEU:HD21	1:56:B:GLN:H	15	0.25	0.09	0.25
(3,1388)	1:54:B:LEU:HD22	1:56:B:GLN:H	15	0.25	0.09	0.25
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	15	0.22	0.07	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	15	0.22	0.07	0.2
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	15	0.22	0.07	0.2
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB3	15	0.21	0.07	0.2
(3,846)	1:19:B:GLU:HA	1:22:B:LEU:HB3	15	0.21	0.07	0.2
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB2	15	0.21	0.07	0.2
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB1	15	0.21	0.07	0.2
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	15	0.14	0.03	0.13
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	15	0.14	0.03	0.13
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	15	0.14	0.03	0.13
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	15	0.12	0.01	0.12
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	15	0.11	0.01	0.11
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	15	0.11	0.01	0.11
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	15	0.11	0.01	0.11
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD3	14	3.15	1.32	3.75
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD3	14	3.15	1.32	3.75
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD3	14	3.15	1.32	3.75
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD2	14	3.15	1.32	3.75
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD2	14	3.15	1.32	3.75
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD2	14	3.15	1.32	3.75
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG11	14	2.64	1.26	3.14
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG12	14	2.64	1.26	3.14
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG13	14	2.64	1.26	3.14
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG11	14	2.64	1.26	3.14
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG12	14	2.64	1.26	3.14
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG13	14	2.64	1.26	3.14
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG21	14	2.64	1.26	3.14
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG22	14	2.64	1.26	3.14
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG23	14	2.64	1.26	3.14
(3,480)	1:131:B:TYR:HB3	1:130:B:LEU:HB3	14	1.65	0.87	1.62
(3,480)	1:131:B:TYR:HB3	1:133:B:LYS:HD3	14	1.65	0.87	1.62
(3,480)	1:131:B:TYR:HB3	1:133:B:LYS:HD2	14	1.65	0.87	1.62
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	14	1.57	0.46	1.46
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	14	1.41	0.87	1.57
(3,1874)	1:118:B:LEU:HD12	1:84:B:LEU:HG	14	1.3	0.64	1.05
(3,1874)	1:118:B:LEU:HD11	1:84:B:LEU:HG	14	1.3	0.64	1.05
(3,1874)	1:118:B:LEU:HD13	1:84:B:LEU:HG	14	1.3	0.64	1.05
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD21	14	1.26	0.47	1.17
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD23	14	1.26	0.47	1.17
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD22	14	1.26	0.47	1.17
(3,1682)	1:28:B:GLU:HB2	1:27:B:VAL:HG22	14	1.26	0.47	1.17
(3,1682)	1:28:B:GLU:HB2	1:27:B:VAL:HG23	14	1.26	0.47	1.17
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	14	1.11	0.42	1.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,505)	1:13:B:GLU:HG3	1:43:B:VAL:HB	14	1.11	0.42	1.23
(3,505)	1:13:B:GLU:HG2	1:40:B:LEU:HG	14	1.11	0.42	1.23
(3,674)	1:63:B:VAL:HB	1:51:B:ILE:HD11	14	1.1	0.55	0.97
(3,674)	1:63:B:VAL:HB	1:51:B:ILE:HD12	14	1.1	0.55	0.97
(3,674)	1:7:B:PRO:HB3	1:43:B:VAL:HG11	14	1.1	0.55	0.97
(3,674)	1:115:B:VAL:HB	1:118:B:LEU:HD23	14	1.1	0.55	0.97
(3,674)	1:63:B:VAL:HB	1:51:B:ILE:HD13	14	1.1	0.55	0.97
(3,674)	1:7:B:PRO:HB3	1:43:B:VAL:HG12	14	1.1	0.55	0.97
(3,674)	1:115:B:VAL:HB	1:118:B:LEU:HD22	14	1.1	0.55	0.97
(3,674)	1:115:B:VAL:HB	1:118:B:LEU:HD21	14	1.1	0.55	0.97
(3,674)	1:7:B:PRO:HB3	1:43:B:VAL:HG13	14	1.1	0.55	0.97
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	14	1.09	0.45	1.25
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	14	1.09	0.45	1.25
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	14	1.09	0.45	1.25
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	14	1.08	0.54	0.82
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	14	1.08	0.54	0.82
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	14	1.08	0.54	0.82
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	14	1.0	0.55	0.99
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB3	14	0.98	0.19	1.01
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB2	14	0.98	0.19	1.01
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB1	14	0.98	0.19	1.01
(3,504)	1:13:B:GLU:HG2	1:40:B:LEU:HB3	14	0.98	0.19	1.01
(3,504)	1:13:B:GLU:HG3	1:40:B:LEU:HB3	14	0.98	0.19	1.01
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	14	0.95	0.46	0.92
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD3	14	0.95	0.46	0.92
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG21	14	0.94	0.34	0.98
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG22	14	0.94	0.34	0.98
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG23	14	0.94	0.34	0.98
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG21	14	0.94	0.34	0.98
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG22	14	0.94	0.34	0.98
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG23	14	0.94	0.34	0.98
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD23	14	0.91	0.41	0.83
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD21	14	0.91	0.41	0.83
(3,396)	1:136:B:LYS:HE3	1:138:B:LEU:HD22	14	0.91	0.41	0.83
(3,396)	1:25:B:LYS:HE2	1:22:B:LEU:HD21	14	0.91	0.41	0.83
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD22	14	0.91	0.41	0.83
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE1	14	0.83	0.35	0.86
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE3	14	0.83	0.35	0.86
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE2	14	0.83	0.35	0.86
(3,218)	1:99:B:GLY:H	1:102:B:MET:HB3	14	0.83	0.35	0.86
(3,439)	1:14:B:GLU:HB3	1:17:B:LEU:HG	14	0.82	0.31	0.89
(3,439)	1:135:B:GLN:HB3	1:136:B:LYS:HG2	14	0.82	0.31	0.89

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,439)	1:135:B:GLN:HB3	1:136:B:LYS:HG3	14	0.82	0.31	0.89
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD22	14	0.8	0.08	0.8
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD21	14	0.8	0.08	0.8
(3,1167)	1:40:B:LEU:HA	1:40:B:LEU:HD22	14	0.8	0.08	0.8
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD11	14	0.8	0.08	0.8
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD23	14	0.8	0.08	0.8
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG22	14	0.8	0.11	0.78
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG12	14	0.8	0.11	0.78
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG21	14	0.8	0.11	0.78
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG11	14	0.8	0.11	0.78
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG13	14	0.8	0.11	0.78
(3,485)	1:131:B:TYR:HE2	1:130:B:LEU:HB2	14	0.75	0.33	0.84
(3,485)	1:131:B:TYR:HE1	1:130:B:LEU:HB2	14	0.75	0.33	0.84
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD11	14	0.66	0.21	0.69
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD13	14	0.66	0.21	0.69
(3,68)	1:35:B:ALA:H	1:33:B:VAL:HG12	14	0.66	0.21	0.69
(3,68)	1:35:B:ALA:H	1:33:B:VAL:HG11	14	0.66	0.21	0.69
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD12	14	0.66	0.21	0.69
(3,68)	1:35:B:ALA:H	1:33:B:VAL:HG13	14	0.66	0.21	0.69
(3,910)	1:98:B:LEU:HD12	1:102:B:MET:HG3	14	0.62	0.3	0.6
(3,910)	1:98:B:LEU:HD13	1:96:B:ASP:HB3	14	0.62	0.3	0.6
(3,910)	1:98:B:LEU:HD11	1:96:B:ASP:HB3	14	0.62	0.3	0.6
(3,910)	1:98:B:LEU:HD12	1:96:B:ASP:HB3	14	0.62	0.3	0.6
(3,910)	1:98:B:LEU:HD13	1:102:B:MET:HG3	14	0.62	0.3	0.6
(3,381)	1:37:B:LEU:HG	1:50:B:ILE:HB	14	0.62	0.23	0.66
(3,381)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	14	0.62	0.23	0.66
(3,381)	1:37:B:LEU:HG	1:34:B:GLU:HG3	14	0.62	0.23	0.66
(3,381)	1:130:B:LEU:HG	1:129:B:GLU:HB2	14	0.62	0.23	0.66
(3,747)	1:114:B:ILE:HD13	1:105:B:ILE:HG12	14	0.59	0.4	0.54
(3,747)	1:114:B:ILE:HD11	1:105:B:ILE:HG12	14	0.59	0.4	0.54
(3,747)	1:114:B:ILE:HD11	1:117:B:LYS:HB3	14	0.59	0.4	0.54
(3,747)	1:114:B:ILE:HD12	1:117:B:LYS:HB3	14	0.59	0.4	0.54
(3,747)	1:114:B:ILE:HD12	1:105:B:ILE:HG12	14	0.59	0.4	0.54
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG2	14	0.54	0.26	0.49
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG3	14	0.54	0.26	0.49
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	14	0.5	0.16	0.5
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	14	0.5	0.16	0.5
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	14	0.5	0.16	0.5
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	14	0.48	0.2	0.45
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	14	0.48	0.2	0.45
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	14	0.48	0.2	0.45
(3,1178)	1:27:B:VAL:HG22	1:30:B:GLN:HE21	14	0.48	0.25	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1178)	1:27:B:VAL:HG21	1:30:B:GLN:HE21	14	0.48	0.25	0.42
(3,1178)	1:27:B:VAL:HG23	1:30:B:GLN:HE21	14	0.48	0.25	0.42
(3,1374)	1:54:B:LEU:HD12	1:53:B:HIS:HB2	14	0.44	0.17	0.42
(3,1374)	1:54:B:LEU:HD11	1:53:B:HIS:HB2	14	0.44	0.17	0.42
(3,1374)	1:54:B:LEU:HD11	1:17:B:LEU:HB3	14	0.44	0.17	0.42
(3,1374)	1:54:B:LEU:HD13	1:53:B:HIS:HB2	14	0.44	0.17	0.42
(3,1374)	1:54:B:LEU:HD13	1:17:B:LEU:HB3	14	0.44	0.17	0.42
(3,1374)	1:54:B:LEU:HD12	1:17:B:LEU:HB3	14	0.44	0.17	0.42
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	14	0.41	0.17	0.34
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	14	0.41	0.17	0.34
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	14	0.41	0.17	0.34
(3,356)	1:130:B:LEU:HD23	1:88:B:PHE:HE1	14	0.4	0.15	0.34
(3,356)	1:130:B:LEU:HD22	1:88:B:PHE:HE1	14	0.4	0.15	0.34
(3,356)	1:130:B:LEU:HD21	1:88:B:PHE:HE2	14	0.4	0.15	0.34
(3,356)	1:130:B:LEU:HD23	1:88:B:PHE:HE2	14	0.4	0.15	0.34
(3,356)	1:130:B:LEU:HD22	1:88:B:PHE:HE2	14	0.4	0.15	0.34
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	14	0.38	0.22	0.31
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	14	0.38	0.22	0.31
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	14	0.38	0.22	0.31
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	14	0.38	0.18	0.34
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	14	0.38	0.18	0.34
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	14	0.38	0.18	0.34
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG22	14	0.37	0.26	0.3
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG12	14	0.37	0.26	0.3
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG23	14	0.37	0.26	0.3
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG21	14	0.37	0.26	0.3
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG11	14	0.37	0.26	0.3
(3,155)	1:81:B:GLU:H	1:82:B:LEU:HD22	14	0.37	0.26	0.3
(3,1628)	1:35:B:ALA:HB1	1:32:B:VAL:HG23	14	0.32	0.12	0.38
(3,1628)	1:35:B:ALA:HB3	1:32:B:VAL:HG22	14	0.32	0.12	0.38
(3,1628)	1:35:B:ALA:HB3	1:32:B:VAL:HG21	14	0.32	0.12	0.38
(3,1628)	1:35:B:ALA:HB1	1:32:B:VAL:HG21	14	0.32	0.12	0.38
(3,1628)	1:35:B:ALA:HB2	1:32:B:VAL:HG23	14	0.32	0.12	0.38
(3,1628)	1:35:B:ALA:HB3	1:32:B:VAL:HG23	14	0.32	0.12	0.38
(3,1628)	1:35:B:ALA:HB2	1:32:B:VAL:HG21	14	0.32	0.12	0.38
(3,1326)	1:58:B:GLY:HA2	1:55:B:VAL:HG11	14	0.23	0.1	0.22
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD13	14	0.23	0.1	0.22
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD12	14	0.23	0.1	0.22
(3,1326)	1:58:B:GLY:HA2	1:55:B:VAL:HG13	14	0.23	0.1	0.22
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD11	14	0.23	0.1	0.22
(3,1326)	1:58:B:GLY:HA2	1:55:B:VAL:HG21	14	0.23	0.1	0.22
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	14	0.22	0.05	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,448)	1:128:B:ARG:HD3	1:128:B:ARG:HB2	14	0.17	0.04	0.16
(3,448)	1:86:B:ARG:HD2	1:86:B:ARG:HG2	14	0.17	0.04	0.16
(3,448)	1:111:B:ARG:HD3	1:98:B:LEU:HB3	14	0.17	0.04	0.16
(3,448)	1:86:B:ARG:HD3	1:86:B:ARG:HG2	14	0.17	0.04	0.16
(3,448)	1:111:B:ARG:HD3	1:111:B:ARG:HB3	14	0.17	0.04	0.16
(3,448)	1:128:B:ARG:HD2	1:128:B:ARG:HB3	14	0.17	0.04	0.16
(3,448)	1:128:B:ARG:HD3	1:128:B:ARG:HB3	14	0.17	0.04	0.16
(3,448)	1:4:B:ARG:HD3	1:4:B:ARG:HB3	14	0.17	0.04	0.16
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	14	0.15	0.04	0.14
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	14	0.15	0.04	0.14
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	14	0.15	0.04	0.14
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	14	0.15	0.04	0.14
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	14	0.15	0.04	0.14
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	14	0.15	0.04	0.14
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	14	0.15	0.04	0.14
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	14	0.15	0.04	0.14
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	14	0.15	0.04	0.14
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	14	0.14	0.03	0.13
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	13	1.88	1.01	1.86
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	13	1.88	1.01	1.86
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	13	1.88	1.01	1.86
(3,1314)	1:37:B:LEU:HD23	1:34:B:GLU:HG2	13	1.83	0.5	1.85
(3,1314)	1:37:B:LEU:HD22	1:67:B:GLN:HG3	13	1.83	0.5	1.85
(3,1314)	1:37:B:LEU:HD21	1:67:B:GLN:HG3	13	1.83	0.5	1.85
(3,1314)	1:37:B:LEU:HD22	1:34:B:GLU:HG2	13	1.83	0.5	1.85
(3,1314)	1:37:B:LEU:HD21	1:34:B:GLU:HG2	13	1.83	0.5	1.85
(3,1314)	1:119:B:LEU:HD22	1:129:B:GLU:HG2	13	1.83	0.5	1.85
(3,1314)	1:37:B:LEU:HD23	1:67:B:GLN:HG2	13	1.83	0.5	1.85
(3,1314)	1:119:B:LEU:HD23	1:129:B:GLU:HG2	13	1.83	0.5	1.85
(3,1314)	1:37:B:LEU:HD23	1:67:B:GLN:HG3	13	1.83	0.5	1.85
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG11	13	1.57	0.83	1.27
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG12	13	1.57	0.83	1.27
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG13	13	1.57	0.83	1.27
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG11	13	1.57	0.83	1.27
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG12	13	1.57	0.83	1.27
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG13	13	1.57	0.83	1.27
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD3	13	1.55	1.28	1.03
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD2	13	1.55	1.28	1.03
(3,1869)	1:118:B:LEU:HD11	1:120:B:ALA:H	13	1.43	0.05	1.43
(3,1869)	1:118:B:LEU:HD13	1:120:B:ALA:H	13	1.43	0.05	1.43
(3,1869)	1:118:B:LEU:HD12	1:120:B:ALA:H	13	1.43	0.05	1.43
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	13	1.12	0.31	1.01

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1821)	1:129:B:GLU:HG2	1:127:B:ARG:HD2	13	1.12	0.31	1.01
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	13	1.12	0.59	1.34
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	13	1.11	0.37	1.15
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	13	1.11	0.37	1.15
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	13	1.11	0.37	1.15
(3,1189)	1:73:B:ILE:HG23	1:113:B:ARG:HB3	13	1.1	0.58	1.05
(3,1189)	1:73:B:ILE:HG22	1:113:B:ARG:HB3	13	1.1	0.58	1.05
(3,1189)	1:73:B:ILE:HG21	1:113:B:ARG:HB3	13	1.1	0.58	1.05
(3,1878)	1:118:B:LEU:HD21	1:114:B:ILE:HG23	13	1.01	0.1	1.04
(3,1878)	1:118:B:LEU:HD23	1:114:B:ILE:HG23	13	1.01	0.1	1.04
(3,1878)	1:118:B:LEU:HD23	1:114:B:ILE:HG21	13	1.01	0.1	1.04
(3,1878)	1:118:B:LEU:HD22	1:114:B:ILE:HG23	13	1.01	0.1	1.04
(3,1878)	1:118:B:LEU:HD21	1:114:B:ILE:HG21	13	1.01	0.1	1.04
(3,1878)	1:118:B:LEU:HD21	1:114:B:ILE:HG22	13	1.01	0.1	1.04
(3,1575)	1:40:B:LEU:HD12	1:45:B:ARG:HD3	13	0.93	0.63	0.57
(3,1575)	1:40:B:LEU:HD13	1:41:B:ASN:HB3	13	0.93	0.63	0.57
(3,1575)	1:40:B:LEU:HD13	1:45:B:ARG:HD3	13	0.93	0.63	0.57
(3,1575)	1:40:B:LEU:HD11	1:41:B:ASN:HB3	13	0.93	0.63	0.57
(3,1575)	1:40:B:LEU:HD12	1:41:B:ASN:HB3	13	0.93	0.63	0.57
(3,1575)	1:40:B:LEU:HD11	1:45:B:ARG:HD3	13	0.93	0.63	0.57
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	13	0.9	0.72	0.6
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	13	0.9	0.72	0.6
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG12	13	0.75	0.23	0.79
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG13	13	0.75	0.23	0.79
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG11	13	0.75	0.23	0.79
(3,1257)	1:88:B:PHE:HB2	1:114:B:ILE:HG12	13	0.75	0.23	0.79
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE1	13	0.75	0.23	0.85
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE3	13	0.75	0.23	0.85
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE2	13	0.75	0.23	0.85
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	13	0.68	0.19	0.7
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	13	0.68	0.19	0.7
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	13	0.68	0.19	0.7
(3,599)	1:84:B:LEU:HD22	1:84:B:LEU:HA	13	0.66	0.06	0.68
(3,599)	1:121:B:LEU:HD21	1:121:B:LEU:HA	13	0.66	0.06	0.68
(3,599)	1:84:B:LEU:HD23	1:84:B:LEU:HA	13	0.66	0.06	0.68
(3,599)	1:121:B:LEU:HD22	1:121:B:LEU:HA	13	0.66	0.06	0.68
(3,599)	1:121:B:LEU:HD23	1:121:B:LEU:HA	13	0.66	0.06	0.68
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	13	0.66	0.31	0.5
(3,1572)	1:40:B:LEU:HD13	1:20:B:LEU:HD22	13	0.65	0.27	0.61
(3,1572)	1:40:B:LEU:HD11	1:20:B:LEU:HD21	13	0.65	0.27	0.61
(3,1572)	1:40:B:LEU:HD11	1:20:B:LEU:HD23	13	0.65	0.27	0.61
(3,1572)	1:40:B:LEU:HD13	1:20:B:LEU:HD23	13	0.65	0.27	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1572)	1:40:B:LEU:HD13	1:20:B:LEU:HD21	13	0.65	0.27	0.61
(3,1572)	1:40:B:LEU:HD12	1:20:B:LEU:HD22	13	0.65	0.27	0.61
(3,1572)	1:40:B:LEU:HD12	1:20:B:LEU:HD23	13	0.65	0.27	0.61
(3,1572)	1:40:B:LEU:HD11	1:20:B:LEU:HD22	13	0.65	0.27	0.61
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	13	0.65	0.41	0.55
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD3	13	0.65	0.41	0.55
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	13	0.64	0.37	0.51
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	13	0.64	0.37	0.51
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	13	0.64	0.37	0.51
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	13	0.64	0.35	0.47
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	13	0.64	0.35	0.47
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	13	0.64	0.35	0.47
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	13	0.64	0.29	0.52
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	13	0.6	0.04	0.62
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	13	0.6	0.04	0.62
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	13	0.6	0.04	0.62
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	13	0.53	0.23	0.57
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	13	0.53	0.23	0.57
(3,1184)	1:74:B:VAL:HG21	1:107:B:ALA:HB1	13	0.5	0.41	0.42
(3,1184)	1:74:B:VAL:HG22	1:107:B:ALA:HB2	13	0.5	0.41	0.42
(3,1184)	1:74:B:VAL:HG22	1:107:B:ALA:HB1	13	0.5	0.41	0.42
(3,1184)	1:74:B:VAL:HG21	1:107:B:ALA:HB2	13	0.5	0.41	0.42
(3,1184)	1:74:B:VAL:HG21	1:107:B:ALA:HB3	13	0.5	0.41	0.42
(3,1184)	1:74:B:VAL:HG23	1:107:B:ALA:HB3	13	0.5	0.41	0.42
(3,1184)	1:74:B:VAL:HG22	1:107:B:ALA:HB3	13	0.5	0.41	0.42
(1,929)	1:67:B:GLN:HG2	1:51:B:ILE:HG12	13	0.5	0.26	0.42
(1,929)	1:67:B:GLN:HG3	1:51:B:ILE:HG12	13	0.5	0.26	0.42
(3,1143)	1:76:B:TRP:HD1	1:75:B:LEU:HG	13	0.47	0.23	0.44
(3,1143)	1:76:B:TRP:HD1	1:117:B:LYS:HB3	13	0.47	0.23	0.44
(3,1143)	1:76:B:TRP:HD1	1:75:B:LEU:HB2	13	0.47	0.23	0.44
(3,893)	1:98:B:LEU:HD23	1:118:B:LEU:HD11	13	0.47	0.35	0.31
(3,893)	1:98:B:LEU:HD22	1:118:B:LEU:HD12	13	0.47	0.35	0.31
(3,893)	1:98:B:LEU:HD21	1:118:B:LEU:HD11	13	0.47	0.35	0.31
(3,893)	1:98:B:LEU:HD21	1:118:B:LEU:HD12	13	0.47	0.35	0.31
(3,893)	1:98:B:LEU:HD23	1:118:B:LEU:HD13	13	0.47	0.35	0.31
(3,893)	1:98:B:LEU:HD23	1:118:B:LEU:HD12	13	0.47	0.35	0.31
(3,893)	1:98:B:LEU:HD22	1:118:B:LEU:HD13	13	0.47	0.35	0.31
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG22	13	0.45	0.25	0.42
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG21	13	0.45	0.25	0.42
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG23	13	0.45	0.25	0.42
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG2	13	0.45	0.22	0.5
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG2	13	0.45	0.22	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG2	13	0.45	0.22	0.5
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG3	13	0.45	0.22	0.5
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG3	13	0.45	0.22	0.5
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG3	13	0.45	0.22	0.5
(3,1322)	1:37:B:LEU:HD21	1:48:B:LYS:H	13	0.44	0.22	0.4
(3,1322)	1:37:B:LEU:HD22	1:48:B:LYS:H	13	0.44	0.22	0.4
(3,1322)	1:59:B:LEU:HD11	1:18:B:ARG:H	13	0.44	0.22	0.4
(3,1322)	1:37:B:LEU:HD23	1:48:B:LYS:H	13	0.44	0.22	0.4
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG21	13	0.42	0.17	0.39
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG23	13	0.42	0.17	0.39
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG22	13	0.42	0.17	0.39
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HD11	13	0.42	0.17	0.39
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HD13	13	0.42	0.17	0.39
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HD12	13	0.42	0.17	0.39
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	13	0.39	0.12	0.39
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	13	0.39	0.12	0.39
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	13	0.39	0.12	0.39
(3,1434)	1:51:B:ILE:HG21	1:54:B:LEU:HB3	13	0.39	0.28	0.41
(3,1434)	1:51:B:ILE:HG22	1:54:B:LEU:HB3	13	0.39	0.28	0.41
(3,1434)	1:51:B:ILE:HG23	1:54:B:LEU:HB3	13	0.39	0.28	0.41
(3,1434)	1:51:B:ILE:HG23	1:47:B:ARG:HB3	13	0.39	0.28	0.41
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	13	0.37	0.21	0.31
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	13	0.37	0.21	0.31
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	13	0.37	0.21	0.31
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	13	0.36	0.15	0.34
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD1	13	0.3	0.15	0.26
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD2	13	0.3	0.15	0.26
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HE2	13	0.3	0.15	0.26
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HE1	13	0.3	0.15	0.26
(3,491)	1:130:B:LEU:HD11	1:116:B:ASP:H	13	0.27	0.12	0.22
(3,491)	1:130:B:LEU:HD12	1:116:B:ASP:H	13	0.27	0.12	0.22
(3,491)	1:130:B:LEU:HD13	1:116:B:ASP:H	13	0.27	0.12	0.22
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	13	0.27	0.13	0.31
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	13	0.27	0.13	0.31
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	13	0.27	0.13	0.31
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	13	0.27	0.13	0.31
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	13	0.27	0.13	0.31
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	13	0.27	0.13	0.31
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	13	0.27	0.13	0.31
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	13	0.27	0.13	0.31
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	13	0.27	0.13	0.31
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	13	0.21	0.08	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,415)	1:137:B:LYS:HB3	1:137:B:LYS:HG2	13	0.14	0.03	0.13
(3,415)	1:137:B:LYS:HB2	1:137:B:LYS:HG3	13	0.14	0.03	0.13
(3,415)	1:132:B:LYS:HB3	1:132:B:LYS:HG2	13	0.14	0.03	0.13
(3,415)	1:69:B:LYS:HB2	1:69:B:LYS:HG3	13	0.14	0.03	0.13
(3,415)	1:132:B:LYS:HB2	1:132:B:LYS:HG3	13	0.14	0.03	0.13
(3,415)	1:103:B:LYS:HB3	1:103:B:LYS:HG2	13	0.14	0.03	0.13
(3,413)	1:137:B:LYS:HG2	1:137:B:LYS:HB3	13	0.14	0.03	0.13
(3,413)	1:137:B:LYS:HG3	1:137:B:LYS:HB2	13	0.14	0.03	0.13
(3,413)	1:132:B:LYS:HG2	1:132:B:LYS:HB3	13	0.14	0.03	0.13
(3,413)	1:69:B:LYS:HG3	1:69:B:LYS:HB2	13	0.14	0.03	0.13
(3,413)	1:132:B:LYS:HG3	1:132:B:LYS:HB2	13	0.14	0.03	0.13
(3,413)	1:103:B:LYS:HG2	1:103:B:LYS:HB3	13	0.14	0.03	0.13
(3,413)	1:136:B:LYS:HG3	1:136:B:LYS:HB3	13	0.14	0.03	0.13
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	13	0.12	0.01	0.12
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	13	0.12	0.01	0.12
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	13	0.12	0.01	0.12
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	12	3.14	1.53	2.98
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB3	12	3.14	1.53	2.98
(3,1243)	1:70:B:GLY:HA2	1:63:B:VAL:HB	12	1.64	0.9	1.17
(3,1243)	1:70:B:GLY:HA3	1:63:B:VAL:HB	12	1.64	0.9	1.17
(3,1321)	1:37:B:LEU:HD23	1:34:B:GLU:H	12	1.21	0.7	1.17
(3,1321)	1:37:B:LEU:HD22	1:34:B:GLU:H	12	1.21	0.7	1.17
(3,1321)	1:37:B:LEU:HD21	1:34:B:GLU:H	12	1.21	0.7	1.17
(3,1221)	1:72:B:HIS:HE1	1:73:B:ILE:HG23	12	1.12	0.79	0.83
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG12	12	1.12	0.79	0.83
(3,1221)	1:72:B:HIS:HE1	1:73:B:ILE:HG21	12	1.12	0.79	0.83
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG11	12	1.12	0.79	0.83
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG13	12	1.12	0.79	0.83
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	12	1.06	0.28	1.03
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	12	1.06	0.28	1.03
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	12	1.06	0.28	1.03
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	12	1.04	0.22	1.04
(3,793)	1:109:B:ARG:HD3	1:105:B:ILE:HD11	12	1.03	0.77	0.9
(3,793)	1:109:B:ARG:HD3	1:105:B:ILE:HD12	12	1.03	0.77	0.9
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD11	12	1.03	0.77	0.9
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD12	12	1.03	0.77	0.9
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD13	12	1.03	0.77	0.9
(3,479)	1:131:B:TYR:HB3	1:128:B:ARG:HB2	12	0.99	0.36	0.9
(3,479)	1:131:B:TYR:HB3	1:132:B:LYS:HB3	12	0.99	0.36	0.9
(3,479)	1:131:B:TYR:HB3	1:133:B:LYS:HB3	12	0.99	0.36	0.9
(3,479)	1:131:B:TYR:HB3	1:132:B:LYS:HB2	12	0.99	0.36	0.9
(3,479)	1:131:B:TYR:HB3	1:133:B:LYS:HB2	12	0.99	0.36	0.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD11	12	0.96	0.31	0.99
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD12	12	0.96	0.31	0.99
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD13	12	0.96	0.31	0.99
(3,1868)	1:118:B:LEU:HD12	1:88:B:PHE:H	12	0.8	0.13	0.83
(3,1868)	1:118:B:LEU:HD12	1:125:B:ALA:H	12	0.8	0.13	0.83
(3,1868)	1:118:B:LEU:HD11	1:88:B:PHE:H	12	0.8	0.13	0.83
(3,1868)	1:118:B:LEU:HD13	1:88:B:PHE:H	12	0.8	0.13	0.83
(3,1868)	1:118:B:LEU:HD11	1:125:B:ALA:H	12	0.8	0.13	0.83
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	12	0.75	0.59	0.46
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	12	0.7	0.54	0.52
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	12	0.7	0.54	0.52
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	12	0.7	0.54	0.52
(1,1808)	1:74:B:VAL:HG12	1:75:B:LEU:HG	12	0.59	0.45	0.44
(1,1808)	1:74:B:VAL:HG11	1:75:B:LEU:HG	12	0.59	0.45	0.44
(1,1808)	1:74:B:VAL:HG13	1:75:B:LEU:HG	12	0.59	0.45	0.44
(1,1808)	1:74:B:VAL:HG11	1:75:B:LEU:HB3	12	0.59	0.45	0.44
(1,1808)	1:74:B:VAL:HG13	1:75:B:LEU:HB3	12	0.59	0.45	0.44
(3,841)	1:102:B:MET:HE2	1:109:B:ARG:HB3	12	0.56	0.3	0.42
(3,841)	1:102:B:MET:HE1	1:109:B:ARG:HG3	12	0.56	0.3	0.42
(3,841)	1:102:B:MET:HE3	1:109:B:ARG:HB3	12	0.56	0.3	0.42
(3,841)	1:102:B:MET:HE2	1:98:B:LEU:HB2	12	0.56	0.3	0.42
(3,841)	1:102:B:MET:HE3	1:98:B:LEU:HB2	12	0.56	0.3	0.42
(3,841)	1:102:B:MET:HE1	1:109:B:ARG:HB3	12	0.56	0.3	0.42
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG11	12	0.53	0.21	0.57
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG12	12	0.53	0.21	0.57
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG13	12	0.53	0.21	0.57
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG21	12	0.53	0.21	0.57
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG22	12	0.53	0.21	0.57
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG23	12	0.53	0.21	0.57
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	12	0.53	0.29	0.51
(3,1560)	1:41:B:ASN:HB2	1:40:B:LEU:HB3	12	0.52	0.33	0.5
(3,1560)	1:41:B:ASN:HB3	1:40:B:LEU:HB3	12	0.52	0.33	0.5
(3,1560)	1:131:B:TYR:HB2	1:133:B:LYS:HG3	12	0.52	0.33	0.5
(3,560)	1:123:B:LEU:HD22	1:88:B:PHE:HB2	12	0.5	0.35	0.42
(3,560)	1:123:B:LEU:HD21	1:88:B:PHE:HB2	12	0.5	0.35	0.42
(3,560)	1:123:B:LEU:HD23	1:88:B:PHE:HB2	12	0.5	0.35	0.42
(3,560)	1:123:B:LEU:HD21	1:92:B:ARG:HD2	12	0.5	0.35	0.42
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	12	0.49	0.22	0.46
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	12	0.46	0.13	0.5
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	12	0.46	0.13	0.5
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	12	0.46	0.13	0.5
(3,1474)	1:50:B:ILE:HD11	1:43:B:VAL:H	12	0.45	0.28	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1474)	1:50:B:ILE:HD12	1:43:B:VAL:H	12	0.45	0.28	0.42
(3,1474)	1:50:B:ILE:HD13	1:43:B:VAL:H	12	0.45	0.28	0.42
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE1	12	0.44	0.08	0.44
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE3	12	0.44	0.08	0.44
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE2	12	0.44	0.08	0.44
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD23	12	0.43	0.25	0.35
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD21	12	0.43	0.25	0.35
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD22	12	0.43	0.25	0.35
(3,604)	1:120:B:ALA:HA	1:119:B:LEU:HD21	12	0.43	0.25	0.35
(3,361)	1:82:B:LEU:HD12	1:85:B:GLN:H	12	0.43	0.29	0.32
(3,361)	1:82:B:LEU:HD13	1:85:B:GLN:H	12	0.43	0.29	0.32
(3,361)	1:82:B:LEU:HD11	1:85:B:GLN:H	12	0.43	0.29	0.32
(3,361)	1:82:B:LEU:HD13	1:83:B:GLU:H	12	0.43	0.29	0.32
(3,1872)	1:118:B:LEU:HD21	1:115:B:VAL:H	12	0.42	0.11	0.44
(3,1872)	1:118:B:LEU:HD23	1:115:B:VAL:H	12	0.42	0.11	0.44
(3,1872)	1:118:B:LEU:HD22	1:115:B:VAL:H	12	0.42	0.11	0.44
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	12	0.41	0.16	0.4
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	12	0.41	0.16	0.4
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	12	0.41	0.16	0.4
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD21	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD22	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD23	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD21	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD22	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD23	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD21	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD22	12	0.36	0.08	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD23	12	0.36	0.08	0.38
(3,1036)	1:20:B:LEU:HD11	1:19:B:GLU:HG3	12	0.34	0.14	0.38
(3,1036)	1:20:B:LEU:HD12	1:19:B:GLU:HG3	12	0.34	0.14	0.38
(3,1036)	1:20:B:LEU:HD13	1:19:B:GLU:HG3	12	0.34	0.14	0.38
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD23	12	0.34	0.23	0.27
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD22	12	0.34	0.23	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD21	12	0.34	0.23	0.27
(3,665)	1:116:B:ASP:HB3	1:73:B:ILE:HG23	12	0.34	0.23	0.27
(3,1573)	1:40:B:LEU:HD13	1:40:B:LEU:HB3	12	0.33	0.02	0.33
(3,1573)	1:40:B:LEU:HD12	1:40:B:LEU:HB3	12	0.33	0.02	0.33
(3,1573)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	12	0.33	0.02	0.33
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	12	0.3	0.12	0.26
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	12	0.3	0.12	0.26
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	12	0.3	0.12	0.26
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	12	0.24	0.08	0.22
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	12	0.23	0.04	0.24
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	12	0.23	0.04	0.24
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	12	0.23	0.04	0.24
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	12	0.18	0.06	0.19
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	12	0.13	0.02	0.12
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD2	11	1.41	0.87	1.47
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD3	11	1.41	0.87	1.47
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	11	1.24	0.25	1.23
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	11	1.24	0.25	1.23
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	11	1.24	0.25	1.23
(3,352)	1:33:B:VAL:HG11	1:33:B:VAL:H	11	1.2	0.17	1.24
(3,352)	1:33:B:VAL:HG12	1:34:B:GLU:H	11	1.2	0.17	1.24
(3,352)	1:33:B:VAL:HG11	1:34:B:GLU:H	11	1.2	0.17	1.24
(3,352)	1:33:B:VAL:HG13	1:34:B:GLU:H	11	1.2	0.17	1.24
(3,352)	1:33:B:VAL:HG13	1:33:B:VAL:H	11	1.2	0.17	1.24
(3,797)	1:64:B:LYS:HG3	1:65:B:ASP:HB3	11	1.18	0.68	1.34
(3,797)	1:64:B:LYS:HG2	1:65:B:ASP:HB3	11	1.18	0.68	1.34
(3,797)	1:133:B:LYS:HG2	1:135:B:GLN:HG3	11	1.18	0.68	1.34
(3,797)	1:133:B:LYS:HG3	1:135:B:GLN:HG2	11	1.18	0.68	1.34
(3,797)	1:133:B:LYS:HG2	1:135:B:GLN:HG2	11	1.18	0.68	1.34
(3,797)	1:133:B:LYS:HG3	1:135:B:GLN:HG3	11	1.18	0.68	1.34
(1,2552)	1:17:B:LEU:HD11	1:40:B:LEU:HG	11	1.16	1.35	0.45
(1,2552)	1:17:B:LEU:HD13	1:40:B:LEU:HG	11	1.16	1.35	0.45
(1,2552)	1:17:B:LEU:HD12	1:40:B:LEU:HG	11	1.16	1.35	0.45
(3,916)	1:37:B:LEU:HD12	1:50:B:ILE:H	11	1.05	0.38	1.09
(3,916)	1:37:B:LEU:HD11	1:50:B:ILE:H	11	1.05	0.38	1.09
(3,916)	1:37:B:LEU:HD12	1:51:B:ILE:H	11	1.05	0.38	1.09
(3,916)	1:37:B:LEU:HD13	1:50:B:ILE:H	11	1.05	0.38	1.09
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	11	0.93	0.38	1.0
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	11	0.9	0.04	0.9
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	11	0.9	0.04	0.9
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	11	0.9	0.04	0.9
(3,1182)	1:74:B:VAL:HG23	1:109:B:ARG:HB2	11	0.89	0.56	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1182)	1:74:B:VAL:HG22	1:109:B:ARG:HB2	11	0.89	0.56	1.0
(3,1182)	1:74:B:VAL:HG21	1:109:B:ARG:HB2	11	0.89	0.56	1.0
(3,1298)	1:8:B:THR:HG22	1:7:B:PRO:HB3	11	0.87	0.48	1.01
(3,1298)	1:8:B:THR:HG21	1:7:B:PRO:HB3	11	0.87	0.48	1.01
(3,1298)	1:8:B:THR:HG23	1:7:B:PRO:HB3	11	0.87	0.48	1.01
(3,1040)	1:127:B:ARG:HD3	1:131:B:TYR:HD1	11	0.87	0.29	0.82
(3,1040)	1:128:B:ARG:HD3	1:131:B:TYR:HD2	11	0.87	0.29	0.82
(3,1040)	1:127:B:ARG:HD2	1:131:B:TYR:HD2	11	0.87	0.29	0.82
(3,1040)	1:111:B:ARG:HD3	1:131:B:TYR:HD1	11	0.87	0.29	0.82
(3,1040)	1:127:B:ARG:HD3	1:131:B:TYR:HD2	11	0.87	0.29	0.82
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	11	0.79	0.13	0.79
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	11	0.79	0.13	0.79
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	11	0.79	0.13	0.79
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD12	11	0.76	0.5	0.82
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD11	11	0.76	0.5	0.82
(3,960)	1:92:B:ARG:HD2	1:118:B:LEU:HD22	11	0.76	0.5	0.82
(3,912)	1:98:B:LEU:HD22	1:131:B:TYR:HD2	11	0.76	0.32	0.85
(3,912)	1:98:B:LEU:HD21	1:131:B:TYR:HD1	11	0.76	0.32	0.85
(3,912)	1:98:B:LEU:HD23	1:131:B:TYR:HD1	11	0.76	0.32	0.85
(3,912)	1:98:B:LEU:HD23	1:76:B:TRP:HZ2	11	0.76	0.32	0.85
(3,912)	1:98:B:LEU:HD22	1:131:B:TYR:HD1	11	0.76	0.32	0.85
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	11	0.71	0.07	0.69
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	11	0.64	0.34	0.59
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	11	0.64	0.34	0.59
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	11	0.64	0.34	0.59
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG2	11	0.58	0.27	0.66
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG3	11	0.58	0.27	0.66
(3,418)	1:132:B:LYS:HB2	1:131:B:TYR:HB3	11	0.58	0.39	0.53
(3,418)	1:133:B:LYS:HB2	1:134:B:ARG:HD3	11	0.58	0.39	0.53
(3,418)	1:133:B:LYS:HB3	1:134:B:ARG:HD2	11	0.58	0.39	0.53
(3,418)	1:133:B:LYS:HB2	1:131:B:TYR:HB3	11	0.58	0.39	0.53
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	11	0.56	0.21	0.54
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	11	0.54	0.22	0.57
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD3	11	0.54	0.1	0.54
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD2	11	0.54	0.1	0.54
(3,934)	1:97:B:VAL:HG22	1:118:B:LEU:HD13	11	0.5	0.28	0.44
(3,934)	1:97:B:VAL:HG23	1:118:B:LEU:HD12	11	0.5	0.28	0.44
(3,934)	1:97:B:VAL:HG21	1:118:B:LEU:HD11	11	0.5	0.28	0.44
(3,934)	1:97:B:VAL:HG22	1:118:B:LEU:HD11	11	0.5	0.28	0.44
(3,934)	1:97:B:VAL:HG23	1:118:B:LEU:HD13	11	0.5	0.28	0.44
(3,934)	1:97:B:VAL:HG23	1:118:B:LEU:HD11	11	0.5	0.28	0.44
(3,934)	1:97:B:VAL:HG21	1:118:B:LEU:HD13	11	0.5	0.28	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	11	0.48	0.16	0.42
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	11	0.48	0.16	0.42
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	11	0.48	0.16	0.42
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE3	11	0.41	0.18	0.36
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE2	11	0.41	0.18	0.36
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	11	0.41	0.17	0.38
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	11	0.4	0.13	0.43
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	11	0.4	0.13	0.43
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	11	0.4	0.13	0.43
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	11	0.4	0.13	0.43
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	11	0.4	0.13	0.43
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	11	0.4	0.13	0.43
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	11	0.4	0.13	0.43
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	11	0.4	0.13	0.43
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	11	0.4	0.13	0.43
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD3	11	0.37	0.07	0.4
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD2	11	0.37	0.07	0.4
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG2	11	0.37	0.14	0.33
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG2	11	0.37	0.14	0.33
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG2	11	0.37	0.14	0.33
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG3	11	0.37	0.14	0.33
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG3	11	0.37	0.14	0.33
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG3	11	0.37	0.14	0.33
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD23	11	0.35	0.15	0.32
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD21	11	0.35	0.15	0.32
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD22	11	0.35	0.15	0.32
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG21	11	0.31	0.2	0.24
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG22	11	0.31	0.2	0.24
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG23	11	0.31	0.2	0.24
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	11	0.27	0.11	0.23
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	11	0.27	0.11	0.23
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	11	0.27	0.11	0.23
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	11	0.26	0.06	0.28
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	11	0.26	0.06	0.28
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	11	0.26	0.06	0.28
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	11	0.26	0.13	0.23
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	11	0.26	0.13	0.23
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	11	0.26	0.13	0.23
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	11	0.23	0.06	0.22
(3,572)	1:55:B:VAL:HG21	1:57:B:MET:H	11	0.21	0.08	0.2
(3,572)	1:55:B:VAL:HG22	1:57:B:MET:H	11	0.21	0.08	0.2
(3,572)	1:55:B:VAL:HG23	1:57:B:MET:H	11	0.21	0.08	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,414)	1:132:B:LYS:HG2	1:132:B:LYS:HD3	11	0.18	0.03	0.17
(3,414)	1:137:B:LYS:HG2	1:137:B:LYS:HD3	11	0.18	0.03	0.17
(3,414)	1:133:B:LYS:HG3	1:133:B:LYS:HD2	11	0.18	0.03	0.17
(3,414)	1:136:B:LYS:HG2	1:136:B:LYS:HD3	11	0.18	0.03	0.17
(3,414)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	11	0.18	0.03	0.17
(3,414)	1:133:B:LYS:HG2	1:133:B:LYS:HD3	11	0.18	0.03	0.17
(3,414)	1:137:B:LYS:HG3	1:137:B:LYS:HD2	11	0.18	0.03	0.17
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD13	11	0.12	0.01	0.12
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD12	11	0.12	0.01	0.12
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD11	11	0.12	0.01	0.12
(3,325)	1:141:B:SER:H	1:124:B:VAL:HB	10	1.63	1.55	0.97
(3,325)	1:141:B:SER:H	1:128:B:ARG:HB3	10	1.63	1.55	0.97
(3,325)	1:141:B:SER:H	1:128:B:ARG:HB2	10	1.63	1.55	0.97
(1,1572)	1:133:B:LYS:HG2	1:134:B:ARG:HD3	10	1.39	0.97	1.14
(1,1572)	1:133:B:LYS:HG3	1:134:B:ARG:HD3	10	1.39	0.97	1.14
(1,1572)	1:133:B:LYS:HG2	1:134:B:ARG:HD2	10	1.39	0.97	1.14
(1,1572)	1:133:B:LYS:HG3	1:134:B:ARG:HD2	10	1.39	0.97	1.14
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	10	1.37	0.31	1.36
(3,1171)	1:74:B:VAL:HG13	1:76:B:TRP:HE1	10	1.36	0.41	1.3
(3,1171)	1:74:B:VAL:HG11	1:76:B:TRP:HE1	10	1.36	0.41	1.3
(3,1171)	1:74:B:VAL:HG12	1:76:B:TRP:HE1	10	1.36	0.41	1.3
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	10	1.18	0.13	1.19
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	10	1.18	0.13	1.19
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	10	1.18	0.13	1.19
(3,558)	1:84:B:LEU:HD23	1:118:B:LEU:HA	10	1.03	0.66	1.34
(3,558)	1:84:B:LEU:HD22	1:101:B:ILE:HA	10	1.03	0.66	1.34
(3,558)	1:84:B:LEU:HD21	1:118:B:LEU:HA	10	1.03	0.66	1.34
(3,558)	1:84:B:LEU:HD22	1:118:B:LEU:HA	10	1.03	0.66	1.34
(3,558)	1:84:B:LEU:HD23	1:101:B:ILE:HA	10	1.03	0.66	1.34
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG21	10	0.88	0.5	0.82
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG22	10	0.88	0.5	0.82
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG23	10	0.88	0.5	0.82
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG11	10	0.88	0.5	0.82
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG12	10	0.88	0.5	0.82
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG13	10	0.88	0.5	0.82
(3,401)	1:133:B:LYS:HE3	1:133:B:LYS:HB2	10	0.8	0.11	0.8
(3,401)	1:133:B:LYS:HE2	1:133:B:LYS:HB3	10	0.8	0.11	0.8
(3,401)	1:133:B:LYS:HE2	1:133:B:LYS:HB2	10	0.8	0.11	0.8
(3,401)	1:133:B:LYS:HE3	1:133:B:LYS:HB3	10	0.8	0.11	0.8
(3,401)	1:132:B:LYS:HE2	1:132:B:LYS:HB3	10	0.8	0.11	0.8
(3,401)	1:132:B:LYS:HE3	1:132:B:LYS:HB3	10	0.8	0.11	0.8
(3,1683)	1:86:B:ARG:HB3	1:90:B:GLU:HB3	10	0.77	0.45	0.83

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1683)	1:135:B:GLN:HB2	1:136:B:LYS:HG2	10	0.77	0.45	0.83
(3,1683)	1:135:B:GLN:HB2	1:136:B:LYS:HG3	10	0.77	0.45	0.83
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	10	0.72	0.48	0.59
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	10	0.72	0.48	0.59
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	10	0.72	0.48	0.59
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD12	10	0.71	0.23	0.78
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD13	10	0.71	0.23	0.78
(3,180)	1:69:B:LYS:H	1:63:B:VAL:HG13	10	0.71	0.23	0.78
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD11	10	0.71	0.23	0.78
(3,180)	1:69:B:LYS:H	1:63:B:VAL:HG12	10	0.71	0.23	0.78
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD22	10	0.7	0.41	0.66
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD23	10	0.7	0.41	0.66
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD21	10	0.7	0.41	0.66
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	10	0.64	0.03	0.66
(3,1545)	1:43:B:VAL:HG11	1:45:B:ARG:HB3	10	0.63	0.4	0.56
(3,1545)	1:43:B:VAL:HG11	1:7:B:PRO:HB2	10	0.63	0.4	0.56
(3,1545)	1:43:B:VAL:HG13	1:45:B:ARG:HB3	10	0.63	0.4	0.56
(3,1545)	1:43:B:VAL:HG12	1:7:B:PRO:HB2	10	0.63	0.4	0.56
(3,1545)	1:43:B:VAL:HG11	1:45:B:ARG:HB2	10	0.63	0.4	0.56
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	10	0.6	0.2	0.66
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	10	0.6	0.2	0.66
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	10	0.6	0.2	0.66
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	10	0.55	0.64	0.14
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD21	10	0.54	0.3	0.43
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD23	10	0.54	0.3	0.43
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD22	10	0.54	0.3	0.43
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	10	0.52	0.17	0.58
(3,367)	1:98:B:LEU:HD13	1:98:B:LEU:HA	10	0.5	0.21	0.57
(3,367)	1:98:B:LEU:HD11	1:98:B:LEU:HA	10	0.5	0.21	0.57
(3,367)	1:98:B:LEU:HD12	1:98:B:LEU:HA	10	0.5	0.21	0.57
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	10	0.48	0.2	0.55
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	10	0.48	0.2	0.55
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	10	0.48	0.2	0.55
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	10	0.48	0.2	0.44
(3,1596)	1:38:B:ALA:HB3	1:37:B:LEU:HB2	10	0.44	0.18	0.37
(3,1596)	1:38:B:ALA:HB1	1:37:B:LEU:HB2	10	0.44	0.18	0.37
(3,1596)	1:38:B:ALA:HB2	1:37:B:LEU:HB2	10	0.44	0.18	0.37
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG22	10	0.41	0.18	0.46
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG13	10	0.41	0.18	0.46
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG12	10	0.41	0.18	0.46
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG11	10	0.41	0.18	0.46
(3,837)	1:102:B:MET:HE3	1:111:B:ARG:HA	10	0.41	0.23	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,837)	1:102:B:MET:HE2	1:111:B:ARG:HA	10	0.41	0.23	0.38
(3,837)	1:102:B:MET:HE1	1:111:B:ARG:HA	10	0.41	0.23	0.38
(3,1673)	1:32:B:VAL:HB	1:66:B:PHE:HD2	10	0.4	0.19	0.37
(3,1673)	1:32:B:VAL:HB	1:66:B:PHE:HD1	10	0.4	0.19	0.37
(3,1673)	1:32:B:VAL:HB	1:24:B:ASN:H	10	0.4	0.19	0.37
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	10	0.4	0.1	0.46
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	10	0.4	0.1	0.46
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	10	0.4	0.1	0.46
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	10	0.38	0.19	0.33
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	10	0.38	0.19	0.33
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	10	0.38	0.19	0.33
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG2	10	0.38	0.09	0.42
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG3	10	0.38	0.09	0.42
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	10	0.38	0.2	0.35
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	10	0.38	0.2	0.35
(3,1525)	1:46:B:THR:HA	1:37:B:LEU:HD21	10	0.37	0.16	0.34
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD13	10	0.37	0.16	0.34
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD11	10	0.37	0.16	0.34
(3,1525)	1:46:B:THR:HA	1:37:B:LEU:HD22	10	0.37	0.16	0.34
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD12	10	0.37	0.16	0.34
(3,1360)	1:55:B:VAL:HG12	1:63:B:VAL:HB	10	0.35	0.22	0.3
(3,1360)	1:55:B:VAL:HG11	1:63:B:VAL:HB	10	0.35	0.22	0.3
(3,1360)	1:55:B:VAL:HG13	1:63:B:VAL:HB	10	0.35	0.22	0.3
(3,1595)	1:38:B:ALA:HB3	1:37:B:LEU:HB3	10	0.35	0.13	0.32
(3,1595)	1:38:B:ALA:HB1	1:37:B:LEU:HB3	10	0.35	0.13	0.32
(3,1595)	1:38:B:ALA:HB2	1:37:B:LEU:HB3	10	0.35	0.13	0.32
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	10	0.35	0.15	0.34
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	10	0.31	0.15	0.32
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	10	0.3	0.11	0.31
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	10	0.29	0.12	0.28
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	10	0.29	0.12	0.28
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	10	0.29	0.12	0.28
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	10	0.29	0.02	0.3
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	10	0.28	0.12	0.32
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	10	0.28	0.12	0.32
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	10	0.28	0.12	0.32
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG23	10	0.27	0.1	0.24
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG22	10	0.27	0.1	0.24
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG21	10	0.27	0.1	0.24
(3,1197)	1:73:B:ILE:HG23	1:73:B:ILE:HA	10	0.27	0.1	0.24
(3,1197)	1:73:B:ILE:HG22	1:73:B:ILE:HA	10	0.27	0.1	0.24
(3,1197)	1:73:B:ILE:HG21	1:73:B:ILE:HA	10	0.27	0.1	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,748)	1:114:B:ILE:HD11	1:109:B:ARG:HB3	10	0.24	0.14	0.18
(3,748)	1:114:B:ILE:HD13	1:109:B:ARG:HB3	10	0.24	0.14	0.18
(3,748)	1:114:B:ILE:HD12	1:109:B:ARG:HB3	10	0.24	0.14	0.18
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	10	0.19	0.02	0.2
(3,658)	1:95:B:ASP:HB3	1:132:B:LYS:HB3	9	1.32	0.76	1.16
(3,658)	1:95:B:ASP:HB3	1:132:B:LYS:HB2	9	1.32	0.76	1.16
(3,658)	1:95:B:ASP:HB2	1:132:B:LYS:HB2	9	1.32	0.76	1.16
(1,1247)	1:87:B:LEU:HD11	1:91:B:PHE:HD2	9	1.29	0.65	1.54
(1,1247)	1:87:B:LEU:HD11	1:91:B:PHE:HZ	9	1.29	0.65	1.54
(1,1247)	1:87:B:LEU:HD13	1:91:B:PHE:HD2	9	1.29	0.65	1.54
(1,1247)	1:87:B:LEU:HD12	1:91:B:PHE:HD2	9	1.29	0.65	1.54
(1,1247)	1:87:B:LEU:HD13	1:91:B:PHE:HD1	9	1.29	0.65	1.54
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG21	9	1.03	0.41	1.1
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG22	9	1.03	0.41	1.1
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG23	9	1.03	0.41	1.1
(1,1947)	1:62:B:SER:HB3	1:65:B:ASP:HB3	9	0.95	0.53	1.3
(3,97)	1:108:B:LYS:H	1:108:B:LYS:HG2	9	0.87	0.08	0.89
(3,935)	1:97:B:VAL:HG22	1:98:B:LEU:HB3	9	0.87	0.26	0.9
(3,935)	1:33:B:VAL:HG23	1:47:B:ARG:HB3	9	0.87	0.26	0.9
(3,935)	1:97:B:VAL:HG21	1:98:B:LEU:HB3	9	0.87	0.26	0.9
(3,935)	1:97:B:VAL:HG23	1:98:B:LEU:HB3	9	0.87	0.26	0.9
(3,911)	1:37:B:LEU:HD11	1:67:B:GLN:HE22	9	0.79	0.46	0.64
(3,911)	1:37:B:LEU:HD13	1:67:B:GLN:HE22	9	0.79	0.46	0.64
(3,911)	1:37:B:LEU:HD12	1:67:B:GLN:HE22	9	0.79	0.46	0.64
(3,1471)	1:50:B:ILE:HD12	1:46:B:THR:HG22	9	0.7	0.29	0.75
(3,1471)	1:50:B:ILE:HD11	1:46:B:THR:HG23	9	0.7	0.29	0.75
(3,1471)	1:50:B:ILE:HD13	1:42:B:THR:HG22	9	0.7	0.29	0.75
(3,1471)	1:50:B:ILE:HD11	1:42:B:THR:HG21	9	0.7	0.29	0.75
(3,1471)	1:50:B:ILE:HD12	1:42:B:THR:HG22	9	0.7	0.29	0.75
(3,1471)	1:50:B:ILE:HD13	1:46:B:THR:HG21	9	0.7	0.29	0.75
(3,860)	1:101:B:ILE:HD12	1:118:B:LEU:HD21	9	0.63	0.35	0.66
(3,860)	1:101:B:ILE:HD11	1:118:B:LEU:HD22	9	0.63	0.35	0.66
(3,860)	1:101:B:ILE:HD11	1:118:B:LEU:HD23	9	0.63	0.35	0.66
(3,860)	1:36:B:ILE:HD12	1:17:B:LEU:HD23	9	0.63	0.35	0.66
(3,860)	1:36:B:ILE:HD11	1:54:B:LEU:HB2	9	0.63	0.35	0.66
(3,860)	1:101:B:ILE:HD12	1:118:B:LEU:HD23	9	0.63	0.35	0.66
(3,860)	1:101:B:ILE:HD13	1:118:B:LEU:HD21	9	0.63	0.35	0.66
(3,860)	1:101:B:ILE:HD13	1:118:B:LEU:HD23	9	0.63	0.35	0.66
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG3	9	0.62	0.11	0.61
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG2	9	0.62	0.11	0.61
(3,609)	1:112:B:ALA:HB2	1:113:B:ARG:HB2	9	0.61	0.23	0.61
(3,609)	1:112:B:ALA:HB1	1:113:B:ARG:HB2	9	0.61	0.23	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,609)	1:112:B:ALA:HB3	1:115:B:VAL:HB	9	0.61	0.23	0.61
(3,609)	1:112:B:ALA:HB3	1:113:B:ARG:HB2	9	0.61	0.23	0.61
(3,1579)	1:40:B:LEU:HD12	1:9:B:TRP:HE3	9	0.59	0.11	0.59
(3,1579)	1:40:B:LEU:HD13	1:9:B:TRP:HE3	9	0.59	0.11	0.59
(3,1579)	1:40:B:LEU:HD11	1:9:B:TRP:HE3	9	0.59	0.11	0.59
(1,1388)	1:106:B:THR:HG21	1:80:B:GLN:HG2	9	0.58	0.34	0.5
(1,1388)	1:106:B:THR:HG22	1:80:B:GLN:HG2	9	0.58	0.34	0.5
(1,1388)	1:106:B:THR:HG23	1:80:B:GLN:HG2	9	0.58	0.34	0.5
(1,1271)	1:114:B:ILE:HG12	1:76:B:TRP:HH2	9	0.57	0.38	0.5
(3,593)	1:84:B:LEU:HD23	1:114:B:ILE:HG21	9	0.57	0.34	0.47
(3,593)	1:20:B:LEU:HD23	1:36:B:ILE:HG21	9	0.57	0.34	0.47
(3,593)	1:84:B:LEU:HD23	1:114:B:ILE:HG23	9	0.57	0.34	0.47
(3,593)	1:84:B:LEU:HD22	1:114:B:ILE:HG21	9	0.57	0.34	0.47
(3,593)	1:84:B:LEU:HD22	1:114:B:ILE:HG23	9	0.57	0.34	0.47
(3,593)	1:84:B:LEU:HD21	1:114:B:ILE:HG22	9	0.57	0.34	0.47
(3,593)	1:84:B:LEU:HD23	1:114:B:ILE:HG22	9	0.57	0.34	0.47
(1,2619)	1:11:B:PRO:HA	1:14:B:GLU:HB2	9	0.54	0.18	0.49
(3,1440)	1:51:B:ILE:HD12	1:67:B:GLN:HB3	9	0.52	0.16	0.58
(3,1440)	1:51:B:ILE:HD13	1:67:B:GLN:HB3	9	0.52	0.16	0.58
(3,1686)	1:74:B:VAL:HG12	1:107:B:ALA:HA	9	0.51	0.2	0.58
(3,1686)	1:74:B:VAL:HG12	1:75:B:LEU:HA	9	0.51	0.2	0.58
(3,1686)	1:74:B:VAL:HG13	1:75:B:LEU:HA	9	0.51	0.2	0.58
(3,1686)	1:74:B:VAL:HG11	1:75:B:LEU:HA	9	0.51	0.2	0.58
(3,1686)	1:74:B:VAL:HG11	1:107:B:ALA:HA	9	0.51	0.2	0.58
(3,1686)	1:74:B:VAL:HG13	1:107:B:ALA:HA	9	0.51	0.2	0.58
(1,1425)	1:103:B:LYS:HE3	1:103:B:LYS:H	9	0.48	0.46	0.29
(1,1425)	1:103:B:LYS:HE2	1:103:B:LYS:H	9	0.48	0.46	0.29
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG21	9	0.48	0.17	0.45
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG22	9	0.48	0.17	0.45
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG23	9	0.48	0.17	0.45
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG23	9	0.46	0.3	0.36
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG22	9	0.46	0.3	0.36
(3,1903)	1:76:B:TRP:HZ3	1:74:B:VAL:HG23	9	0.46	0.3	0.36
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG21	9	0.46	0.3	0.36
(3,533)	1:126:B:GLU:HG3	1:128:B:ARG:HG2	9	0.45	0.2	0.47
(3,533)	1:34:B:GLU:HG3	1:37:B:LEU:HG	9	0.45	0.2	0.47
(3,559)	1:84:B:LEU:HD21	1:115:B:VAL:HA	9	0.44	0.21	0.41
(3,559)	1:84:B:LEU:HD23	1:115:B:VAL:HA	9	0.44	0.21	0.41
(3,559)	1:84:B:LEU:HD22	1:115:B:VAL:HA	9	0.44	0.21	0.41
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD21	9	0.44	0.21	0.41
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD23	9	0.44	0.21	0.41
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD22	9	0.44	0.21	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2294)	1:43:B:VAL:HG11	1:44:B:PRO:HD2	9	0.43	0.18	0.46
(1,2294)	1:43:B:VAL:HG12	1:44:B:PRO:HD2	9	0.43	0.18	0.46
(1,2294)	1:43:B:VAL:HG13	1:44:B:PRO:HD2	9	0.43	0.18	0.46
(3,1785)	1:16:B:HIS:HD2	1:13:B:GLU:HA	9	0.4	0.1	0.39
(3,1894)	1:117:B:LYS:HD3	1:120:B:ALA:H	9	0.38	0.18	0.37
(3,1160)	1:72:B:HIS:HB2	1:74:B:VAL:H	9	0.38	0.19	0.41
(3,1160)	1:76:B:TRP:HB3	1:74:B:VAL:H	9	0.38	0.19	0.41
(3,1050)	1:82:B:LEU:HG	1:85:B:GLN:HG2	9	0.37	0.21	0.38
(3,1050)	1:82:B:LEU:HG	1:83:B:GLU:HG3	9	0.37	0.21	0.38
(3,1376)	1:54:B:LEU:HD13	1:60:B:ALA:HB2	9	0.37	0.2	0.34
(3,1376)	1:54:B:LEU:HD13	1:32:B:VAL:HG13	9	0.37	0.2	0.34
(3,1376)	1:54:B:LEU:HD11	1:32:B:VAL:HG13	9	0.37	0.2	0.34
(3,1376)	1:54:B:LEU:HD13	1:60:B:ALA:HB3	9	0.37	0.2	0.34
(3,1376)	1:54:B:LEU:HD13	1:60:B:ALA:HB1	9	0.37	0.2	0.34
(3,1376)	1:54:B:LEU:HD12	1:60:B:ALA:HB2	9	0.37	0.2	0.34
(3,1450)	1:51:B:ILE:HG21	1:66:B:PHE:HE1	9	0.37	0.13	0.33
(3,1450)	1:51:B:ILE:HG23	1:52:B:HIS:HD2	9	0.37	0.13	0.33
(3,1450)	1:51:B:ILE:HG23	1:66:B:PHE:HE2	9	0.37	0.13	0.33
(3,1450)	1:51:B:ILE:HG21	1:52:B:HIS:HD2	9	0.37	0.13	0.33
(3,1450)	1:51:B:ILE:HG22	1:66:B:PHE:HE1	9	0.37	0.13	0.33
(3,1450)	1:51:B:ILE:HG22	1:52:B:HIS:HD2	9	0.37	0.13	0.33
(1,2751)	1:108:B:LYS:HG2	1:108:B:LYS:H	9	0.37	0.08	0.39
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG21	9	0.34	0.13	0.32
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG22	9	0.34	0.13	0.32
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG23	9	0.34	0.13	0.32
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HB2	9	0.34	0.01	0.34
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HG3	9	0.34	0.01	0.34
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD11	9	0.34	0.1	0.35
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD12	9	0.34	0.1	0.35
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD13	9	0.34	0.1	0.35
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD21	9	0.34	0.1	0.35
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD22	9	0.34	0.1	0.35
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD23	9	0.34	0.1	0.35
(1,1178)	1:119:B:LEU:HG	1:126:B:GLU:H	9	0.33	0.1	0.3
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD11	9	0.3	0.14	0.22
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD12	9	0.3	0.14	0.22
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD13	9	0.3	0.14	0.22
(1,2638)	1:10:B:SER:HB3	1:11:B:PRO:HG3	9	0.22	0.07	0.21
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD1	9	0.17	0.04	0.17
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD2	9	0.17	0.04	0.17
(1,888)	1:75:B:LEU:HD21	1:75:B:LEU:HA	9	0.16	0.07	0.14
(1,888)	1:75:B:LEU:HD22	1:75:B:LEU:HA	9	0.16	0.07	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,888)	1:75:B:LEU:HD23	1:75:B:LEU:HA	9	0.16	0.07	0.14
(3,1313)	1:37:B:LEU:HD23	1:37:B:LEU:HB3	9	0.15	0.05	0.13
(3,1313)	1:37:B:LEU:HD21	1:47:B:ARG:HB3	9	0.15	0.05	0.13
(3,1313)	1:37:B:LEU:HD23	1:47:B:ARG:HB3	9	0.15	0.05	0.13
(3,1313)	1:37:B:LEU:HD22	1:37:B:LEU:HB3	9	0.15	0.05	0.13
(3,437)	1:135:B:GLN:HG2	1:135:B:GLN:HB3	9	0.14	0.02	0.14
(3,437)	1:67:B:GLN:HG3	1:67:B:GLN:HB2	9	0.14	0.02	0.14
(3,437)	1:135:B:GLN:HG3	1:135:B:GLN:HB3	9	0.14	0.02	0.14
(3,1299)	1:42:B:THR:HG23	1:42:B:THR:HB	9	0.14	0.01	0.14
(3,1299)	1:42:B:THR:HG21	1:42:B:THR:HB	9	0.14	0.01	0.14
(3,1299)	1:8:B:THR:HG23	1:8:B:THR:HB	9	0.14	0.01	0.14
(3,1299)	1:42:B:THR:HG22	1:42:B:THR:HB	9	0.14	0.01	0.14
(3,335)	1:141:B:SER:HB2	1:130:B:LEU:HG	8	2.52	0.72	2.54
(3,335)	1:141:B:SER:HB2	1:138:B:LEU:HG	8	2.52	0.72	2.54
(3,335)	1:141:B:SER:HB3	1:138:B:LEU:HB2	8	2.52	0.72	2.54
(3,335)	1:141:B:SER:HB2	1:138:B:LEU:HB3	8	2.52	0.72	2.54
(1,2324)	1:131:B:TYR:HB2	1:128:B:ARG:HG3	8	1.37	1.28	0.82
(1,2324)	1:131:B:TYR:HB2	1:128:B:ARG:HG2	8	1.37	1.28	0.82
(3,384)	1:40:B:LEU:HD21	1:13:B:GLU:HG3	8	1.05	0.98	0.4
(3,384)	1:40:B:LEU:HD22	1:13:B:GLU:HG2	8	1.05	0.98	0.4
(3,384)	1:40:B:LEU:HD23	1:13:B:GLU:HG3	8	1.05	0.98	0.4
(3,384)	1:40:B:LEU:HD21	1:13:B:GLU:HG2	8	1.05	0.98	0.4
(3,384)	1:40:B:LEU:HD22	1:13:B:GLU:HG3	8	1.05	0.98	0.4
(3,377)	1:98:B:LEU:HD11	1:111:B:ARG:HD2	8	0.96	0.41	1.12
(3,377)	1:98:B:LEU:HD11	1:111:B:ARG:HD3	8	0.96	0.41	1.12
(3,377)	1:98:B:LEU:HD13	1:111:B:ARG:HD2	8	0.96	0.41	1.12
(3,377)	1:98:B:LEU:HD13	1:111:B:ARG:HD3	8	0.96	0.41	1.12
(3,377)	1:98:B:LEU:HD12	1:111:B:ARG:HD2	8	0.96	0.41	1.12
(3,377)	1:98:B:LEU:HD12	1:111:B:ARG:HD3	8	0.96	0.41	1.12
(3,589)	1:84:B:LEU:HD21	1:118:B:LEU:H	8	0.84	0.45	0.68
(3,589)	1:84:B:LEU:HD22	1:118:B:LEU:H	8	0.84	0.45	0.68
(3,589)	1:84:B:LEU:HD23	1:118:B:LEU:H	8	0.84	0.45	0.68
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD11	8	0.82	0.38	0.99
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD12	8	0.82	0.38	0.99
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD13	8	0.82	0.38	0.99
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD21	8	0.82	0.38	0.99
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD22	8	0.82	0.38	0.99
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD23	8	0.82	0.38	0.99
(3,711)	1:87:B:LEU:HD11	1:91:B:PHE:H	8	0.81	0.27	0.96
(3,711)	1:87:B:LEU:HD13	1:91:B:PHE:H	8	0.81	0.27	0.96
(3,711)	1:87:B:LEU:HD12	1:91:B:PHE:H	8	0.81	0.27	0.96
(3,470)	1:25:B:LYS:HE3	1:26:B:ASP:H	8	0.65	0.18	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,470)	1:64:B:LYS:HE3	1:70:B:GLY:H	8	0.65	0.18	0.68
(3,957)	1:93:B:ASP:HB3	1:92:B:ARG:HB2	8	0.64	0.19	0.72
(3,957)	1:65:B:ASP:HB3	1:51:B:ILE:HG12	8	0.64	0.19	0.72
(3,719)	1:27:B:VAL:HG13	1:30:B:GLN:HE22	8	0.64	0.28	0.64
(3,719)	1:27:B:VAL:HG12	1:30:B:GLN:HE22	8	0.64	0.28	0.64
(1,1558)	1:92:B:ARG:HD2	1:89:B:GLU:HB2	8	0.64	0.49	0.52
(3,1348)	1:30:B:GLN:HG3	1:31:B:ASP:HB3	8	0.62	0.33	0.62
(3,1348)	1:56:B:GLN:HG2	1:53:B:HIS:HB3	8	0.62	0.33	0.62
(1,897)	1:33:B:VAL:HG11	1:51:B:ILE:HA	8	0.56	0.1	0.54
(1,897)	1:33:B:VAL:HG12	1:51:B:ILE:HA	8	0.56	0.1	0.54
(1,897)	1:33:B:VAL:HG13	1:51:B:ILE:HA	8	0.56	0.1	0.54
(3,1203)	1:73:B:ILE:HD13	1:72:B:HIS:HD2	8	0.54	0.48	0.28
(3,1203)	1:73:B:ILE:HD12	1:72:B:HIS:HD2	8	0.54	0.48	0.28
(3,1203)	1:73:B:ILE:HD11	1:72:B:HIS:HD2	8	0.54	0.48	0.28
(3,842)	1:102:B:MET:HE3	1:114:B:ILE:HD12	8	0.53	0.21	0.54
(3,842)	1:102:B:MET:HE2	1:114:B:ILE:HD12	8	0.53	0.21	0.54
(3,842)	1:102:B:MET:HE1	1:114:B:ILE:HD12	8	0.53	0.21	0.54
(3,842)	1:102:B:MET:HE3	1:114:B:ILE:HD11	8	0.53	0.21	0.54
(3,842)	1:102:B:MET:HE2	1:114:B:ILE:HD11	8	0.53	0.21	0.54
(1,2197)	1:49:B:GLN:HG2	1:45:B:ARG:HG3	8	0.5	0.26	0.47
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB1	8	0.48	0.34	0.42
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB2	8	0.48	0.34	0.42
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB3	8	0.48	0.34	0.42
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG11	8	0.48	0.2	0.41
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG12	8	0.48	0.2	0.41
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG13	8	0.48	0.2	0.41
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD21	8	0.45	0.28	0.4
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD22	8	0.45	0.28	0.4
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD23	8	0.45	0.28	0.4
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD21	8	0.45	0.28	0.4
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD22	8	0.45	0.28	0.4
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD23	8	0.45	0.28	0.4
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD21	8	0.45	0.28	0.4
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD22	8	0.45	0.28	0.4
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD23	8	0.45	0.28	0.4
(1,1695)	1:127:B:ARG:HD2	1:116:B:ASP:H	8	0.44	0.25	0.35
(1,1695)	1:127:B:ARG:HD3	1:116:B:ASP:H	8	0.44	0.25	0.35
(1,1286)	1:114:B:ILE:HD11	1:109:B:ARG:HD2	8	0.44	0.23	0.41
(1,1286)	1:114:B:ILE:HD12	1:109:B:ARG:HD2	8	0.44	0.23	0.41
(1,1286)	1:114:B:ILE:HD13	1:109:B:ARG:HD2	8	0.44	0.23	0.41
(3,1551)	1:43:B:VAL:HG22	1:9:B:TRP:HE3	8	0.39	0.18	0.33
(3,1551)	1:43:B:VAL:HG21	1:9:B:TRP:HE3	8	0.39	0.18	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1551)	1:43:B:VAL:HG23	1:45:B:ARG:HE	8	0.39	0.18	0.33
(3,1551)	1:43:B:VAL:HG23	1:9:B:TRP:HE3	8	0.39	0.18	0.33
(1,1246)	1:87:B:LEU:HD11	1:104:B:ASN:H	8	0.39	0.11	0.43
(1,1246)	1:87:B:LEU:HD12	1:104:B:ASN:H	8	0.39	0.11	0.43
(1,1246)	1:87:B:LEU:HD13	1:104:B:ASN:H	8	0.39	0.11	0.43
(3,1099)	1:34:B:GLU:HG2	1:37:B:LEU:HB2	8	0.39	0.15	0.37
(3,1099)	1:83:B:GLU:HG3	1:105:B:ILE:HG12	8	0.39	0.15	0.37
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD11	8	0.37	0.19	0.44
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD12	8	0.37	0.19	0.44
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD13	8	0.37	0.19	0.44
(3,1756)	1:18:B:ARG:HD3	1:18:B:ARG:HB3	8	0.32	0.02	0.32
(2,52)	1:35:B:ALA:HB1	1:33:B:VAL:HB	8	0.3	0.15	0.26
(2,52)	1:35:B:ALA:HB2	1:33:B:VAL:HB	8	0.3	0.15	0.26
(2,52)	1:35:B:ALA:HB3	1:33:B:VAL:HB	8	0.3	0.15	0.26
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD21	8	0.28	0.06	0.29
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD23	8	0.28	0.06	0.29
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD22	8	0.28	0.06	0.29
(1,2296)	1:43:B:VAL:HG21	1:44:B:PRO:HD2	8	0.27	0.09	0.27
(1,2296)	1:43:B:VAL:HG22	1:44:B:PRO:HD2	8	0.27	0.09	0.27
(1,2296)	1:43:B:VAL:HG23	1:44:B:PRO:HD2	8	0.27	0.09	0.27
(1,1511)	1:37:B:LEU:HB3	1:36:B:ILE:H	8	0.24	0.06	0.24
(3,776)	1:73:B:ILE:HG13	1:73:B:ILE:H	8	0.22	0.13	0.17
(3,776)	1:123:B:LEU:HG	1:121:B:LEU:H	8	0.22	0.13	0.17
(3,175)	1:82:B:LEU:H	1:81:B:GLU:HB2	8	0.2	0.05	0.2
(3,1075)	1:17:B:LEU:HD12	1:19:B:GLU:H	8	0.2	0.07	0.18
(3,1075)	1:17:B:LEU:HD13	1:19:B:GLU:H	8	0.2	0.07	0.18
(3,1075)	1:17:B:LEU:HD11	1:19:B:GLU:H	8	0.2	0.07	0.18
(3,632)	1:119:B:LEU:HD13	1:120:B:ALA:H	8	0.17	0.13	0.11
(3,632)	1:119:B:LEU:HD11	1:120:B:ALA:H	8	0.17	0.13	0.11
(3,632)	1:119:B:LEU:HD12	1:120:B:ALA:H	8	0.17	0.13	0.11
(3,1346)	1:30:B:GLN:HG2	1:30:B:GLN:HB3	8	0.16	0.02	0.16
(3,1346)	1:56:B:GLN:HG3	1:56:B:GLN:HB3	8	0.16	0.02	0.16
(1,1304)	1:113:B:ARG:HD3	1:114:B:ILE:HA	8	0.16	0.04	0.14
(1,1304)	1:113:B:ARG:HD2	1:114:B:ILE:HA	8	0.16	0.04	0.14
(1,1444)	1:102:B:MET:HG2	1:102:B:MET:H	8	0.14	0.03	0.12
(1,1971)	1:25:B:LYS:HG2	1:25:B:LYS:HE2	8	0.14	0.02	0.13
(3,780)	1:123:B:LEU:HG	1:123:B:LEU:HD13	8	0.12	0.01	0.12
(3,780)	1:73:B:ILE:HG13	1:73:B:ILE:HD13	8	0.12	0.01	0.12
(3,780)	1:73:B:ILE:HG13	1:73:B:ILE:HG22	8	0.12	0.01	0.12
(3,780)	1:73:B:ILE:HG13	1:73:B:ILE:HD11	8	0.12	0.01	0.12
(3,780)	1:123:B:LEU:HG	1:123:B:LEU:HD12	8	0.12	0.01	0.12
(3,1552)	1:43:B:VAL:HG23	1:42:B:THR:H	7	1.55	0.16	1.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1552)	1:43:B:VAL:HG22	1:42:B:THR:H	7	1.55	0.16	1.49
(3,1552)	1:43:B:VAL:HG21	1:42:B:THR:H	7	1.55	0.16	1.49
(3,865)	1:101:B:ILE:HD13	1:102:B:MET:HG3	7	1.26	0.33	1.28
(3,865)	1:101:B:ILE:HD12	1:102:B:MET:HG3	7	1.26	0.33	1.28
(3,865)	1:101:B:ILE:HD11	1:102:B:MET:HG3	7	1.26	0.33	1.28
(3,1561)	1:131:B:TYR:HB2	1:133:B:LYS:HG3	7	1.14	0.59	1.14
(3,1561)	1:131:B:TYR:HB2	1:132:B:LYS:HG2	7	1.14	0.59	1.14
(3,1561)	1:131:B:TYR:HB2	1:133:B:LYS:HG2	7	1.14	0.59	1.14
(1,1566)	1:92:B:ARG:HG2	1:93:B:ASP:HB3	7	1.08	0.5	1.3
(3,378)	1:40:B:LEU:HD11	1:16:B:HIS:HB3	7	0.97	0.18	0.99
(3,378)	1:22:B:LEU:HD12	1:18:B:ARG:HD2	7	0.97	0.18	0.99
(3,378)	1:22:B:LEU:HD12	1:18:B:ARG:HD3	7	0.97	0.18	0.99
(3,378)	1:22:B:LEU:HD13	1:18:B:ARG:HD2	7	0.97	0.18	0.99
(3,378)	1:22:B:LEU:HD11	1:18:B:ARG:HD2	7	0.97	0.18	0.99
(3,378)	1:22:B:LEU:HD11	1:18:B:ARG:HD3	7	0.97	0.18	0.99
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG21	7	0.87	0.04	0.88
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG22	7	0.87	0.04	0.88
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG23	7	0.87	0.04	0.88
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG21	7	0.87	0.04	0.88
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG22	7	0.87	0.04	0.88
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG23	7	0.87	0.04	0.88
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG21	7	0.87	0.04	0.88
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG22	7	0.87	0.04	0.88
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG23	7	0.87	0.04	0.88
(3,1550)	1:43:B:VAL:HG22	1:42:B:THR:HA	7	0.8	0.11	0.79
(3,1550)	1:43:B:VAL:HG21	1:42:B:THR:HA	7	0.8	0.11	0.79
(3,1550)	1:43:B:VAL:HG23	1:42:B:THR:HA	7	0.8	0.11	0.79
(3,1550)	1:43:B:VAL:HG22	1:49:B:GLN:HA	7	0.8	0.11	0.79
(1,2302)	1:43:B:VAL:HG21	1:43:B:VAL:H	7	0.79	0.1	0.82
(1,2302)	1:43:B:VAL:HG22	1:43:B:VAL:H	7	0.79	0.1	0.82
(1,2302)	1:43:B:VAL:HG23	1:43:B:VAL:H	7	0.79	0.1	0.82
(3,725)	1:18:B:ARG:HB2	1:59:B:LEU:HD11	7	0.73	0.3	0.76
(3,725)	1:47:B:ARG:HB3	1:37:B:LEU:HD22	7	0.73	0.3	0.76
(3,725)	1:18:B:ARG:HB2	1:59:B:LEU:HD13	7	0.73	0.3	0.76
(3,725)	1:47:B:ARG:HB3	1:37:B:LEU:HD23	7	0.73	0.3	0.76
(3,725)	1:18:B:ARG:HB2	1:59:B:LEU:HD12	7	0.73	0.3	0.76
(3,1663)	1:32:B:VAL:HG13	1:33:B:VAL:HG22	7	0.72	0.44	0.78
(3,1663)	1:32:B:VAL:HG11	1:33:B:VAL:HG12	7	0.72	0.44	0.78
(3,1663)	1:32:B:VAL:HG13	1:36:B:ILE:HD12	7	0.72	0.44	0.78
(3,1663)	1:32:B:VAL:HG12	1:33:B:VAL:HG13	7	0.72	0.44	0.78
(3,1663)	1:32:B:VAL:HG12	1:33:B:VAL:HG12	7	0.72	0.44	0.78
(3,1751)	1:18:B:ARG:HD3	1:22:B:LEU:HD13	7	0.7	0.42	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1751)	1:113:B:ARG:HD3	1:74:B:VAL:HG21	7	0.7	0.42	0.41
(3,1751)	1:18:B:ARG:HD3	1:22:B:LEU:HD12	7	0.7	0.42	0.41
(3,1751)	1:18:B:ARG:HD3	1:59:B:LEU:HD22	7	0.7	0.42	0.41
(3,1751)	1:18:B:ARG:HD3	1:59:B:LEU:HD21	7	0.7	0.42	0.41
(3,1751)	1:113:B:ARG:HD3	1:74:B:VAL:HG22	7	0.7	0.42	0.41
(1,1165)	1:119:B:LEU:HD11	1:127:B:ARG:HD3	7	0.7	0.3	0.57
(1,1165)	1:119:B:LEU:HD12	1:127:B:ARG:HD3	7	0.7	0.3	0.57
(1,1165)	1:119:B:LEU:HD13	1:127:B:ARG:HD3	7	0.7	0.3	0.57
(3,257)	1:116:B:ASP:H	1:127:B:ARG:HG3	7	0.67	0.34	0.7
(3,257)	1:116:B:ASP:H	1:118:B:LEU:HB3	7	0.67	0.34	0.7
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG21	7	0.67	0.36	0.78
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG22	7	0.67	0.36	0.78
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG23	7	0.67	0.36	0.78
(3,1113)	1:82:B:LEU:HD12	1:85:B:GLN:HB3	7	0.65	0.37	0.62
(3,1113)	1:82:B:LEU:HD12	1:83:B:GLU:HB3	7	0.65	0.37	0.62
(3,1113)	1:82:B:LEU:HD13	1:83:B:GLU:HB3	7	0.65	0.37	0.62
(3,1113)	1:82:B:LEU:HD11	1:85:B:GLN:HB3	7	0.65	0.37	0.62
(3,1113)	1:40:B:LEU:HD22	1:17:B:LEU:HB3	7	0.65	0.37	0.62
(3,1556)	1:42:B:THR:HA	1:41:B:ASN:HB3	7	0.59	0.04	0.59
(3,1132)	1:72:B:HIS:HB2	1:73:B:ILE:HG12	7	0.55	0.28	0.46
(1,980)	1:33:B:VAL:HG11	1:51:B:ILE:HG13	7	0.49	0.23	0.42
(1,980)	1:33:B:VAL:HG12	1:51:B:ILE:HG13	7	0.49	0.23	0.42
(1,980)	1:33:B:VAL:HG13	1:51:B:ILE:HG13	7	0.49	0.23	0.42
(3,1860)	1:60:B:ALA:HA	1:54:B:LEU:HB2	7	0.49	0.26	0.57
(3,1860)	1:6:B:ALA:HA	1:43:B:VAL:HG12	7	0.49	0.26	0.57
(3,1860)	1:6:B:ALA:HA	1:43:B:VAL:HG13	7	0.49	0.26	0.57
(1,1633)	1:90:B:GLU:HG3	1:86:B:ARG:HA	7	0.49	0.34	0.35
(3,830)	1:31:B:ASP:HB3	1:30:B:GLN:HE21	7	0.48	0.09	0.45
(3,1794)	1:16:B:HIS:HD2	1:40:B:LEU:HB2	7	0.45	0.23	0.5
(3,1794)	1:16:B:HIS:HD2	1:40:B:LEU:HG	7	0.45	0.23	0.5
(3,1417)	1:52:B:HIS:HD2	1:63:B:VAL:HB	7	0.42	0.27	0.3
(3,1417)	1:9:B:TRP:HE3	1:17:B:LEU:HB3	7	0.42	0.27	0.3
(3,1833)	1:9:B:TRP:HD1	1:49:B:GLN:HB3	7	0.42	0.21	0.46
(3,1833)	1:9:B:TRP:HD1	1:53:B:HIS:HB2	7	0.42	0.21	0.46
(3,927)	1:97:B:VAL:HG11	1:98:B:LEU:HG	7	0.41	0.4	0.21
(3,927)	1:97:B:VAL:HG12	1:98:B:LEU:HG	7	0.41	0.4	0.21
(3,1134)	1:52:B:HIS:HB3	1:48:B:LYS:HG3	7	0.41	0.21	0.35
(3,1862)	1:6:B:ALA:HA	1:5:B:ARG:HB3	7	0.4	0.31	0.23
(3,1862)	1:6:B:ALA:HA	1:44:B:PRO:HB2	7	0.4	0.31	0.23
(1,31)	1:9:B:TRP:H	1:9:B:TRP:HD1	7	0.37	0.18	0.25
(1,2450)	1:61:B:ASP:HB2	1:64:B:LYS:H	7	0.35	0.17	0.31
(1,2450)	1:61:B:ASP:HB3	1:64:B:LYS:H	7	0.35	0.17	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,148)	1:67:B:GLN:H	1:51:B:ILE:HB	7	0.33	0.26	0.28
(3,148)	1:67:B:GLN:H	1:68:B:ARG:HG2	7	0.33	0.26	0.28
(3,183)	1:84:B:LEU:H	1:82:B:LEU:HD12	7	0.33	0.13	0.31
(3,183)	1:84:B:LEU:H	1:82:B:LEU:HD13	7	0.33	0.13	0.31
(3,183)	1:84:B:LEU:H	1:101:B:ILE:HG22	7	0.33	0.13	0.31
(3,1214)	1:73:B:ILE:HG12	1:72:B:HIS:HB3	7	0.32	0.22	0.24
(3,1152)	1:76:B:TRP:HB3	1:78:B:GLY:HA2	7	0.32	0.12	0.33
(3,1511)	1:127:B:ARG:HG2	1:127:B:ARG:HA	7	0.31	0.02	0.3
(3,1515)	1:127:B:ARG:HA	1:127:B:ARG:HG2	7	0.31	0.02	0.3
(3,323)	1:139:B:ALA:H	1:137:B:LYS:HA	7	0.27	0.09	0.26
(3,323)	1:139:B:ALA:H	1:141:B:SER:HA	7	0.27	0.09	0.26
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE1	7	0.24	0.05	0.25
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE2	7	0.24	0.05	0.25
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE3	7	0.24	0.05	0.25
(3,1801)	1:15:B:ALA:HB3	1:14:B:GLU:HB2	7	0.23	0.09	0.19
(3,1801)	1:15:B:ALA:HB1	1:14:B:GLU:HB2	7	0.23	0.09	0.19
(3,1801)	1:15:B:ALA:HB2	1:14:B:GLU:HB2	7	0.23	0.09	0.19
(1,25)	1:8:B:THR:H	1:8:B:THR:HG21	7	0.2	0.07	0.16
(1,25)	1:8:B:THR:H	1:8:B:THR:HG22	7	0.2	0.07	0.16
(1,25)	1:8:B:THR:H	1:8:B:THR:HG23	7	0.2	0.07	0.16
(3,901)	1:98:B:LEU:HD21	1:98:B:LEU:HB2	7	0.2	0.17	0.14
(3,901)	1:98:B:LEU:HD23	1:98:B:LEU:HB2	7	0.2	0.17	0.14
(3,901)	1:98:B:LEU:HD22	1:98:B:LEU:HB2	7	0.2	0.17	0.14
(3,901)	1:98:B:LEU:HD21	1:130:B:LEU:HB2	7	0.2	0.17	0.14
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD11	7	0.18	0.08	0.14
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD12	7	0.18	0.08	0.14
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD13	7	0.18	0.08	0.14
(1,1076)	1:124:B:VAL:HG11	1:115:B:VAL:HA	7	0.17	0.04	0.16
(1,1076)	1:124:B:VAL:HG12	1:115:B:VAL:HA	7	0.17	0.04	0.16
(1,1076)	1:124:B:VAL:HG13	1:115:B:VAL:HA	7	0.17	0.04	0.16
(1,1311)	1:110:B:SER:HA	1:102:B:MET:HG3	7	0.14	0.03	0.13
(3,1757)	1:18:B:ARG:HD3	1:18:B:ARG:HA	7	0.13	0.01	0.13
(1,778)	1:128:B:ARG:H	1:128:B:ARG:HG2	7	0.12	0.01	0.13
(1,778)	1:128:B:ARG:H	1:128:B:ARG:HG3	7	0.12	0.01	0.13
(3,1501)	1:69:B:LYS:HB3	1:69:B:LYS:HG2	7	0.12	0.01	0.12
(3,1501)	1:132:B:LYS:HB2	1:132:B:LYS:HG3	7	0.12	0.01	0.12
(3,1501)	1:69:B:LYS:HB3	1:69:B:LYS:HG3	7	0.12	0.01	0.12
(3,1501)	1:133:B:LYS:HB3	1:133:B:LYS:HG2	7	0.12	0.01	0.12
(3,1501)	1:69:B:LYS:HB2	1:69:B:LYS:HG3	7	0.12	0.01	0.12
(1,825)	1:141:B:SER:H	1:129:B:GLU:HG2	6	2.66	1.95	1.86
(1,825)	1:141:B:SER:H	1:129:B:GLU:HG3	6	2.66	1.95	1.86
(3,349)	1:33:B:VAL:HG12	1:37:B:LEU:H	6	1.22	0.52	1.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,349)	1:130:B:LEU:HD21	1:115:B:VAL:H	6	1.22	0.52	1.31
(3,349)	1:33:B:VAL:HG13	1:37:B:LEU:H	6	1.22	0.52	1.31
(3,349)	1:33:B:VAL:HG11	1:37:B:LEU:H	6	1.22	0.52	1.31
(3,318)	1:135:B:GLN:HE21	1:129:B:GLU:HB3	6	0.97	0.3	0.88
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE1	6	0.9	0.42	1.02
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE2	6	0.9	0.42	1.02
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE1	6	0.9	0.42	1.02
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE2	6	0.9	0.42	1.02
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE1	6	0.9	0.42	1.02
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE2	6	0.9	0.42	1.02
(3,1645)	1:34:B:GLU:HG2	1:37:B:LEU:HD11	6	0.83	0.32	0.71
(3,1645)	1:34:B:GLU:HG2	1:37:B:LEU:HD13	6	0.83	0.32	0.71
(3,1645)	1:89:B:GLU:HG2	1:123:B:LEU:HD11	6	0.83	0.32	0.71
(2,7)	1:68:B:ARG:H	1:64:B:LYS:HB3	6	0.78	0.74	0.52
(3,164)	1:76:B:TRP:HE1	1:109:B:ARG:HG2	6	0.68	0.44	0.54
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD21	6	0.64	0.47	0.45
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD22	6	0.64	0.47	0.45
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD23	6	0.64	0.47	0.45
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD21	6	0.64	0.47	0.45
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD22	6	0.64	0.47	0.45
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD23	6	0.64	0.47	0.45
(3,767)	1:32:B:VAL:HA	1:30:B:GLN:HB3	6	0.6	0.41	0.34
(3,767)	1:62:B:SER:HB2	1:64:B:LYS:HB2	6	0.6	0.41	0.34
(1,1903)	1:65:B:ASP:HB3	1:64:B:LYS:HA	6	0.59	0.03	0.59
(1,414)	1:65:B:ASP:H	1:65:B:ASP:HB3	6	0.58	0.04	0.59
(3,338)	1:3:B:SER:HB3	1:4:B:ARG:HG2	6	0.55	0.2	0.58
(3,338)	1:3:B:SER:HB3	1:4:B:ARG:HG3	6	0.55	0.2	0.58
(3,428)	1:4:B:ARG:HA	1:4:B:ARG:HG2	6	0.52	0.29	0.44
(3,428)	1:137:B:LYS:HA	1:137:B:LYS:HD3	6	0.52	0.29	0.44
(3,12)	1:9:B:TRP:HE1	1:50:B:ILE:HD13	6	0.51	0.18	0.53
(3,12)	1:9:B:TRP:HE1	1:50:B:ILE:HD12	6	0.51	0.18	0.53
(3,12)	1:9:B:TRP:HE1	1:50:B:ILE:HD11	6	0.51	0.18	0.53
(3,1262)	1:65:B:ASP:HB3	1:63:B:VAL:HA	6	0.5	0.19	0.55
(3,1867)	1:118:B:LEU:HD12	1:124:B:VAL:H	6	0.5	0.19	0.54
(3,1867)	1:118:B:LEU:HD13	1:124:B:VAL:H	6	0.5	0.19	0.54
(3,1867)	1:118:B:LEU:HD11	1:124:B:VAL:H	6	0.5	0.19	0.54
(3,754)	1:44:B:PRO:HG3	1:43:B:VAL:HG22	6	0.48	0.16	0.46
(3,754)	1:44:B:PRO:HG3	1:43:B:VAL:HG23	6	0.48	0.16	0.46
(3,754)	1:44:B:PRO:HG3	1:43:B:VAL:HG21	6	0.48	0.16	0.46
(1,2278)	1:43:B:VAL:HG21	1:45:B:ARG:HB2	6	0.4	0.2	0.4
(1,2278)	1:43:B:VAL:HG22	1:45:B:ARG:HB2	6	0.4	0.2	0.4
(1,2278)	1:43:B:VAL:HG23	1:45:B:ARG:HB2	6	0.4	0.2	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2278)	1:43:B:VAL:HG21	1:45:B:ARG:HB3	6	0.4	0.2	0.4
(1,2278)	1:43:B:VAL:HG22	1:45:B:ARG:HB3	6	0.4	0.2	0.4
(1,2278)	1:43:B:VAL:HG23	1:45:B:ARG:HB3	6	0.4	0.2	0.4
(3,894)	1:37:B:LEU:HD13	1:31:B:ASP:HB3	6	0.4	0.28	0.34
(3,894)	1:37:B:LEU:HD11	1:31:B:ASP:HB3	6	0.4	0.28	0.34
(3,894)	1:37:B:LEU:HD12	1:31:B:ASP:HB3	6	0.4	0.28	0.34
(3,1218)	1:72:B:HIS:HD2	1:113:B:ARG:HA	6	0.37	0.18	0.3
(3,1218)	1:72:B:HIS:HD2	1:71:B:THR:HA	6	0.37	0.18	0.3
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG11	6	0.36	0.12	0.34
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG12	6	0.36	0.12	0.34
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG13	6	0.36	0.12	0.34
(3,1097)	1:19:B:GLU:HG2	1:23:B:ALA:HB3	6	0.34	0.17	0.4
(3,1097)	1:19:B:GLU:HG2	1:23:B:ALA:HB1	6	0.34	0.17	0.4
(3,1097)	1:19:B:GLU:HG2	1:23:B:ALA:HB2	6	0.34	0.17	0.4
(3,1097)	1:83:B:GLU:HG3	1:105:B:ILE:HG13	6	0.34	0.17	0.4
(3,1623)	1:36:B:ILE:HG21	1:17:B:LEU:HG	6	0.33	0.11	0.32
(3,1623)	1:36:B:ILE:HG21	1:50:B:ILE:HG12	6	0.33	0.11	0.32
(3,1623)	1:36:B:ILE:HG23	1:50:B:ILE:HG12	6	0.33	0.11	0.32
(3,1623)	1:36:B:ILE:HG22	1:17:B:LEU:HG	6	0.33	0.11	0.32
(3,973)	1:66:B:PHE:HE1	1:63:B:VAL:HA	6	0.32	0.17	0.32
(3,973)	1:66:B:PHE:HE2	1:63:B:VAL:HA	6	0.32	0.17	0.32
(3,973)	1:66:B:PHE:HE1	1:55:B:VAL:HA	6	0.32	0.17	0.32
(3,973)	1:66:B:PHE:HE2	1:55:B:VAL:HA	6	0.32	0.17	0.32
(3,1668)	1:32:B:VAL:HG22	1:24:B:ASN:H	6	0.28	0.13	0.24
(3,1668)	1:32:B:VAL:HG21	1:24:B:ASN:H	6	0.28	0.13	0.24
(3,1668)	1:32:B:VAL:HG23	1:24:B:ASN:H	6	0.28	0.13	0.24
(3,482)	1:14:B:GLU:HG2	1:57:B:MET:HE1	6	0.28	0.14	0.24
(3,482)	1:14:B:GLU:HG2	1:57:B:MET:HE3	6	0.28	0.14	0.24
(3,482)	1:14:B:GLU:HG2	1:57:B:MET:HE2	6	0.28	0.14	0.24
(1,252)	1:40:B:LEU:H	1:40:B:LEU:HB3	6	0.25	0.06	0.29
(3,172)	1:82:B:LEU:H	1:81:B:GLU:HG3	6	0.25	0.12	0.24
(3,172)	1:82:B:LEU:H	1:83:B:GLU:HG3	6	0.25	0.12	0.24
(1,2659)	1:8:B:THR:HB	1:9:B:TRP:HB2	6	0.24	0.09	0.24
(3,354)	1:82:B:LEU:HD23	1:83:B:GLU:H	6	0.21	0.06	0.22
(3,354)	1:82:B:LEU:HD21	1:83:B:GLU:H	6	0.21	0.06	0.22
(3,354)	1:82:B:LEU:HD22	1:83:B:GLU:H	6	0.21	0.06	0.22
(1,2662)	1:42:B:THR:HG21	1:44:B:PRO:HD2	6	0.2	0.13	0.15
(1,2662)	1:42:B:THR:HG22	1:44:B:PRO:HD2	6	0.2	0.13	0.15
(1,2662)	1:42:B:THR:HG23	1:44:B:PRO:HD2	6	0.2	0.13	0.15
(3,1760)	1:19:B:GLU:HA	1:23:B:ALA:HB3	6	0.18	0.06	0.18
(3,1760)	1:19:B:GLU:HA	1:22:B:LEU:HB3	6	0.18	0.06	0.18
(3,1760)	1:19:B:GLU:HA	1:23:B:ALA:HB2	6	0.18	0.06	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1760)	1:19:B:GLU:HA	1:23:B:ALA:HB1	6	0.18	0.06	0.18
(3,1462)	1:50:B:ILE:HG22	1:50:B:ILE:HG13	6	0.18	0.04	0.18
(3,1462)	1:50:B:ILE:HG23	1:50:B:ILE:HG13	6	0.18	0.04	0.18
(3,1462)	1:50:B:ILE:HG21	1:50:B:ILE:HG13	6	0.18	0.04	0.18
(1,2687)	1:6:B:ALA:HB1	1:49:B:GLN:HE22	6	0.17	0.07	0.15
(1,2687)	1:6:B:ALA:HB2	1:49:B:GLN:HE22	6	0.17	0.07	0.15
(1,2687)	1:6:B:ALA:HB3	1:49:B:GLN:HE22	6	0.17	0.07	0.15
(1,2338)	1:40:B:LEU:HD11	1:9:B:TRP:HZ3	6	0.17	0.03	0.16
(1,2338)	1:40:B:LEU:HD12	1:9:B:TRP:HZ3	6	0.17	0.03	0.16
(1,2338)	1:40:B:LEU:HD13	1:9:B:TRP:HZ3	6	0.17	0.03	0.16
(2,15)	1:111:B:ARG:HE	1:101:B:ILE:HB	6	0.14	0.03	0.13
(1,1443)	1:102:B:MET:HE1	1:103:B:LYS:H	6	0.13	0.02	0.12
(1,1443)	1:102:B:MET:HE2	1:103:B:LYS:H	6	0.13	0.02	0.12
(1,1443)	1:102:B:MET:HE3	1:103:B:LYS:H	6	0.13	0.02	0.12
(3,902)	1:98:B:LEU:HD21	1:115:B:VAL:HG13	5	2.09	0.73	2.24
(3,902)	1:98:B:LEU:HD23	1:115:B:VAL:HG13	5	2.09	0.73	2.24
(3,902)	1:98:B:LEU:HD21	1:115:B:VAL:HG11	5	2.09	0.73	2.24
(3,902)	1:98:B:LEU:HD21	1:115:B:VAL:HG12	5	2.09	0.73	2.24
(3,790)	1:109:B:ARG:HD2	1:84:B:LEU:HD12	5	1.15	0.67	1.33
(3,790)	1:109:B:ARG:HD2	1:105:B:ILE:HD12	5	1.15	0.67	1.33
(3,790)	1:109:B:ARG:HD2	1:84:B:LEU:HD11	5	1.15	0.67	1.33
(1,1822)	1:74:B:VAL:HG23	1:75:B:LEU:HG	5	1.11	0.95	0.48
(1,1822)	1:74:B:VAL:HG22	1:75:B:LEU:HG	5	1.11	0.95	0.48
(1,1822)	1:74:B:VAL:HG22	1:75:B:LEU:HB2	5	1.11	0.95	0.48
(1,1822)	1:74:B:VAL:HG21	1:75:B:LEU:HG	5	1.11	0.95	0.48
(1,1822)	1:74:B:VAL:HG23	1:75:B:LEU:HB2	5	1.11	0.95	0.48
(3,1790)	1:16:B:HIS:HB3	1:40:B:LEU:HB2	5	1.03	0.33	0.94
(3,1578)	1:98:B:LEU:HD13	1:102:B:MET:H	5	1.01	0.81	0.51
(3,1578)	1:98:B:LEU:HD13	1:97:B:VAL:H	5	1.01	0.81	0.51
(3,1578)	1:98:B:LEU:HD12	1:97:B:VAL:H	5	1.01	0.81	0.51
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE1	5	0.87	0.61	1.25
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE2	5	0.87	0.61	1.25
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE3	5	0.87	0.61	1.25
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE1	5	0.87	0.61	1.25
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE2	5	0.87	0.61	1.25
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE3	5	0.87	0.61	1.25
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE1	5	0.87	0.61	1.25
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE2	5	0.87	0.61	1.25
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE3	5	0.87	0.61	1.25
(3,451)	1:86:B:ARG:HD3	1:82:B:LEU:HD13	5	0.75	0.26	0.75
(3,451)	1:127:B:ARG:HD3	1:115:B:VAL:HG21	5	0.75	0.26	0.75
(3,451)	1:86:B:ARG:HD3	1:82:B:LEU:HD11	5	0.75	0.26	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,451)	1:86:B:ARG:HD3	1:82:B:LEU:HD12	5	0.75	0.26	0.75
(3,895)	1:98:B:LEU:HD23	1:102:B:MET:HG3	5	0.75	0.15	0.79
(3,895)	1:98:B:LEU:HD21	1:102:B:MET:HG3	5	0.75	0.15	0.79
(3,895)	1:98:B:LEU:HD22	1:102:B:MET:HG3	5	0.75	0.15	0.79
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG21	5	0.69	0.28	0.78
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG22	5	0.69	0.28	0.78
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG23	5	0.69	0.28	0.78
(3,394)	1:132:B:LYS:HE2	1:132:B:LYS:H	5	0.66	0.08	0.68
(3,394)	1:25:B:LYS:HE3	1:23:B:ALA:H	5	0.66	0.08	0.68
(3,394)	1:132:B:LYS:HE3	1:132:B:LYS:H	5	0.66	0.08	0.68
(3,925)	1:97:B:VAL:HG11	1:118:B:LEU:HD13	5	0.6	0.19	0.58
(3,925)	1:97:B:VAL:HG11	1:118:B:LEU:HD12	5	0.6	0.19	0.58
(3,925)	1:97:B:VAL:HG11	1:124:B:VAL:HG11	5	0.6	0.19	0.58
(3,925)	1:97:B:VAL:HG11	1:124:B:VAL:HG13	5	0.6	0.19	0.58
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD21	5	0.53	0.19	0.56
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD22	5	0.53	0.19	0.56
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD23	5	0.53	0.19	0.56
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD11	5	0.53	0.19	0.56
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD12	5	0.53	0.19	0.56
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD13	5	0.53	0.19	0.56
(3,1617)	1:36:B:ILE:HA	1:40:B:LEU:HB3	5	0.51	0.26	0.5
(3,1617)	1:36:B:ILE:HA	1:37:B:LEU:HB2	5	0.51	0.26	0.5
(3,1100)	1:34:B:GLU:HG2	1:37:B:LEU:HB2	5	0.5	0.32	0.4
(3,1100)	1:83:B:GLU:HG2	1:105:B:ILE:HG12	5	0.5	0.32	0.4
(3,1100)	1:19:B:GLU:HG3	1:18:B:ARG:HG2	5	0.5	0.32	0.4
(1,285)	1:46:B:THR:H	1:49:B:GLN:HG2	5	0.48	0.13	0.54
(1,2651)	1:9:B:TRP:HZ2	1:49:B:GLN:HG2	5	0.47	0.36	0.31
(1,954)	1:131:B:TYR:HE1	1:127:B:ARG:HG2	5	0.45	0.39	0.28
(1,954)	1:131:B:TYR:HE2	1:127:B:ARG:HG2	5	0.45	0.39	0.28
(1,837)	1:45:B:ARG:HE	1:53:B:HIS:HD2	5	0.45	0.07	0.47
(3,677)	1:115:B:VAL:HB	1:119:B:LEU:HD21	5	0.45	0.19	0.51
(3,677)	1:115:B:VAL:HB	1:119:B:LEU:HD23	5	0.45	0.19	0.51
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD1	5	0.43	0.2	0.33
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD2	5	0.43	0.2	0.33
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD1	5	0.43	0.2	0.33
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD2	5	0.43	0.2	0.33
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD1	5	0.43	0.2	0.33
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD2	5	0.43	0.2	0.33
(1,816)	1:138:B:LEU:H	1:138:B:LEU:HB3	5	0.43	0.21	0.38
(3,1907)	1:76:B:TRP:HE3	1:74:B:VAL:HG12	5	0.42	0.12	0.41
(3,1907)	1:76:B:TRP:HE3	1:74:B:VAL:HG21	5	0.42	0.12	0.41
(3,1907)	1:76:B:TRP:HE3	1:74:B:VAL:HG23	5	0.42	0.12	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,406)	1:132:B:LYS:HD3	1:132:B:LYS:HA	5	0.41	0.16	0.48
(3,406)	1:133:B:LYS:HD3	1:133:B:LYS:HA	5	0.41	0.16	0.48
(3,406)	1:133:B:LYS:HD2	1:133:B:LYS:HA	5	0.41	0.16	0.48
(1,169)	1:30:B:GLN:HE21	1:30:B:GLN:HG2	5	0.37	0.29	0.17
(3,339)	1:3:B:SER:HB2	1:4:B:ARG:HG2	5	0.37	0.21	0.38
(3,339)	1:3:B:SER:HB2	1:4:B:ARG:HG3	5	0.37	0.21	0.38
(3,1064)	1:85:B:GLN:HG2	1:84:B:LEU:HG	5	0.36	0.19	0.35
(3,1064)	1:85:B:GLN:HG2	1:121:B:LEU:HB3	5	0.36	0.19	0.35
(3,915)	1:37:B:LEU:HD13	1:37:B:LEU:H	5	0.35	0.11	0.34
(3,915)	1:98:B:LEU:HD22	1:115:B:VAL:H	5	0.35	0.11	0.34
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG21	5	0.35	0.07	0.34
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG22	5	0.35	0.07	0.34
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG23	5	0.35	0.07	0.34
(1,409)	1:64:B:LYS:H	1:65:B:ASP:HB3	5	0.34	0.1	0.29
(1,2683)	1:6:B:ALA:HB1	1:7:B:PRO:HD2	5	0.33	0.17	0.28
(1,2683)	1:6:B:ALA:HB2	1:7:B:PRO:HD2	5	0.33	0.17	0.28
(1,2683)	1:6:B:ALA:HB3	1:7:B:PRO:HD2	5	0.33	0.17	0.28
(1,2658)	1:8:B:THR:HB	1:9:B:TRP:HD1	5	0.31	0.17	0.37
(1,645)	1:103:B:LYS:H	1:103:B:LYS:HG3	5	0.31	0.1	0.35
(1,966)	1:131:B:TYR:HD1	1:130:B:LEU:H	5	0.29	0.13	0.35
(1,966)	1:131:B:TYR:HD2	1:130:B:LEU:H	5	0.29	0.13	0.35
(1,1995)	1:37:B:LEU:HD21	1:50:B:ILE:HB	5	0.28	0.15	0.22
(1,1995)	1:37:B:LEU:HD22	1:50:B:ILE:HB	5	0.28	0.15	0.22
(1,1995)	1:37:B:LEU:HD23	1:50:B:ILE:HB	5	0.28	0.15	0.22
(1,1170)	1:59:B:LEU:HD11	1:21:B:TYR:HB3	5	0.24	0.12	0.23
(1,1170)	1:59:B:LEU:HD12	1:21:B:TYR:HB3	5	0.24	0.12	0.23
(1,1170)	1:59:B:LEU:HD13	1:21:B:TYR:HB3	5	0.24	0.12	0.23
(1,608)	1:94:B:SER:H	1:91:B:PHE:HA	5	0.24	0.08	0.24
(3,147)	1:67:B:GLN:H	1:67:B:GLN:HG3	5	0.24	0.09	0.21
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG11	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG12	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG13	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG11	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG12	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG13	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG11	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG12	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG13	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG21	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG22	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG23	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG21	5	0.22	0.15	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG22	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG23	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG21	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG22	5	0.22	0.15	0.15
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG23	5	0.22	0.15	0.15
(1,435)	1:67:B:GLN:H	1:66:B:PHE:H	5	0.22	0.13	0.17
(3,670)	1:115:B:VAL:HA	1:130:B:LEU:HD13	5	0.2	0.07	0.18
(3,670)	1:115:B:VAL:HA	1:130:B:LEU:HD12	5	0.2	0.07	0.18
(3,670)	1:115:B:VAL:HA	1:130:B:LEU:HD11	5	0.2	0.07	0.18
(1,248)	1:40:B:LEU:H	1:37:B:LEU:HA	5	0.2	0.07	0.19
(3,624)	1:119:B:LEU:HD23	1:127:B:ARG:HD3	5	0.2	0.06	0.2
(3,624)	1:37:B:LEU:HD22	1:47:B:ARG:HD2	5	0.2	0.06	0.2
(3,624)	1:37:B:LEU:HD23	1:47:B:ARG:HD2	5	0.2	0.06	0.2
(3,624)	1:37:B:LEU:HD21	1:47:B:ARG:HD2	5	0.2	0.06	0.2
(3,1390)	1:54:B:LEU:HD21	1:21:B:TYR:HD1	5	0.2	0.09	0.2
(3,1390)	1:54:B:LEU:HD23	1:21:B:TYR:HD1	5	0.2	0.09	0.2
(3,1390)	1:54:B:LEU:HD23	1:21:B:TYR:HD2	5	0.2	0.09	0.2
(3,1390)	1:54:B:LEU:HD21	1:21:B:TYR:HD2	5	0.2	0.09	0.2
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD11	5	0.19	0.05	0.16
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD12	5	0.19	0.05	0.16
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD13	5	0.19	0.05	0.16
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD11	5	0.19	0.05	0.16
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD12	5	0.19	0.05	0.16
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD13	5	0.19	0.05	0.16
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD11	5	0.19	0.05	0.16
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD12	5	0.19	0.05	0.16
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD13	5	0.19	0.05	0.16
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD11	5	0.19	0.06	0.22
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD12	5	0.19	0.06	0.22
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD13	5	0.19	0.06	0.22
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD11	5	0.19	0.06	0.22
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD12	5	0.19	0.06	0.22
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD13	5	0.19	0.06	0.22
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD11	5	0.19	0.06	0.22
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD12	5	0.19	0.06	0.22
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD13	5	0.19	0.06	0.22
(1,1509)	1:98:B:LEU:HD21	1:101:B:ILE:H	5	0.19	0.04	0.2
(1,1509)	1:98:B:LEU:HD22	1:101:B:ILE:H	5	0.19	0.04	0.2
(1,1509)	1:98:B:LEU:HD23	1:101:B:ILE:H	5	0.19	0.04	0.2
(3,366)	1:40:B:LEU:HD22	1:40:B:LEU:HA	5	0.18	0.03	0.18
(3,366)	1:40:B:LEU:HD21	1:40:B:LEU:HA	5	0.18	0.03	0.18
(3,366)	1:75:B:LEU:HD13	1:75:B:LEU:HA	5	0.18	0.03	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,108)	1:53:B:HIS:H	1:54:B:LEU:HB3	5	0.17	0.02	0.18
(1,1268)	1:114:B:ILE:HG21	1:111:B:ARG:HA	5	0.16	0.05	0.17
(1,1268)	1:114:B:ILE:HG22	1:111:B:ARG:HA	5	0.16	0.05	0.17
(1,1268)	1:114:B:ILE:HG23	1:111:B:ARG:HA	5	0.16	0.05	0.17
(3,163)	1:76:B:TRP:HE1	1:73:B:ILE:HB	5	0.15	0.04	0.14
(3,163)	1:76:B:TRP:HE1	1:109:B:ARG:HB2	5	0.15	0.04	0.14
(3,162)	1:76:B:TRP:HE1	1:73:B:ILE:HB	5	0.14	0.04	0.12
(3,162)	1:76:B:TRP:HE1	1:109:B:ARG:HB2	5	0.14	0.04	0.12
(3,162)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	5	0.14	0.04	0.12
(1,662)	1:106:B:THR:H	1:105:B:ILE:HG13	5	0.14	0.04	0.12
(1,594)	1:93:B:ASP:H	1:93:B:ASP:HB2	5	0.14	0.03	0.13
(3,1211)	1:73:B:ILE:HB	1:76:B:TRP:HB2	5	0.13	0.03	0.13
(3,1211)	1:73:B:ILE:HB	1:72:B:HIS:HB3	5	0.13	0.03	0.13
(2,10)	1:104:B:ASN:H	1:100:B:HIS:H	5	0.13	0.02	0.13
(1,491)	1:77:B:THR:H	1:80:B:GLN:HB3	5	0.12	0.01	0.12
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD11	5	0.11	0.01	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD12	5	0.11	0.01	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD13	5	0.11	0.01	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD11	5	0.11	0.01	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD12	5	0.11	0.01	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD13	5	0.11	0.01	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD11	5	0.11	0.01	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD12	5	0.11	0.01	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD13	5	0.11	0.01	0.11
(3,697)	1:115:B:VAL:HG22	1:113:B:ARG:HA	4	1.62	0.04	1.62
(3,697)	1:115:B:VAL:HG22	1:116:B:ASP:HA	4	1.62	0.04	1.62
(3,697)	1:115:B:VAL:HG21	1:116:B:ASP:HA	4	1.62	0.04	1.62
(3,495)	1:130:B:LEU:HD12	1:115:B:VAL:HB	4	1.36	0.15	1.32
(3,495)	1:130:B:LEU:HD13	1:115:B:VAL:HB	4	1.36	0.15	1.32
(3,1864)	1:6:B:ALA:HB2	1:45:B:ARG:HD3	4	1.28	0.27	1.23
(3,1864)	1:6:B:ALA:HB3	1:45:B:ARG:HD3	4	1.28	0.27	1.23
(3,1864)	1:6:B:ALA:HB1	1:45:B:ARG:HD3	4	1.28	0.27	1.23
(1,2390)	1:36:B:ILE:HG13	1:35:B:ALA:H	4	1.23	0.11	1.19
(1,617)	1:96:B:ASP:H	1:100:B:HIS:HD2	4	1.13	0.78	1.17
(1,1241)	1:115:B:VAL:HG11	1:115:B:VAL:H	4	1.03	0.01	1.02
(1,1241)	1:115:B:VAL:HG12	1:115:B:VAL:H	4	1.03	0.01	1.02
(1,1241)	1:115:B:VAL:HG13	1:115:B:VAL:H	4	1.03	0.01	1.02
(1,1250)	1:115:B:VAL:HG21	1:116:B:ASP:H	4	0.85	0.03	0.86
(1,1250)	1:115:B:VAL:HG22	1:116:B:ASP:H	4	0.85	0.03	0.86
(1,1250)	1:115:B:VAL:HG23	1:116:B:ASP:H	4	0.85	0.03	0.86
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD21	4	0.82	0.15	0.84
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD22	4	0.82	0.15	0.84

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD23	4	0.82	0.15	0.84
(2,57)	1:6:B:ALA:HB1	1:49:B:GLN:HG2	4	0.81	0.89	0.34
(2,57)	1:6:B:ALA:HB2	1:49:B:GLN:HG2	4	0.81	0.89	0.34
(2,57)	1:6:B:ALA:HB3	1:49:B:GLN:HG2	4	0.81	0.89	0.34
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG11	4	0.8	0.32	0.66
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG12	4	0.8	0.32	0.66
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG13	4	0.8	0.32	0.66
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG11	4	0.8	0.32	0.66
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG12	4	0.8	0.32	0.66
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG13	4	0.8	0.32	0.66
(1,1644)	1:89:B:GLU:HG3	1:92:B:ARG:HD2	4	0.79	0.31	0.82
(1,1230)	1:115:B:VAL:HG21	1:116:B:ASP:HB2	4	0.77	0.09	0.77
(1,1230)	1:115:B:VAL:HG22	1:116:B:ASP:HB2	4	0.77	0.09	0.77
(1,1230)	1:115:B:VAL:HG23	1:116:B:ASP:HB2	4	0.77	0.09	0.77
(1,1549)	1:65:B:ASP:HB3	1:64:B:LYS:HB2	4	0.75	0.31	0.84
(3,907)	1:98:B:LEU:HD12	1:118:B:LEU:HD13	4	0.68	0.36	0.55
(3,907)	1:98:B:LEU:HD13	1:118:B:LEU:HD12	4	0.68	0.36	0.55
(3,907)	1:98:B:LEU:HD11	1:118:B:LEU:HD12	4	0.68	0.36	0.55
(1,403)	1:64:B:LYS:H	1:64:B:LYS:HB2	4	0.66	0.01	0.66
(1,1522)	1:97:B:VAL:HG21	1:92:B:ARG:HB2	4	0.64	0.15	0.6
(1,1522)	1:97:B:VAL:HG22	1:92:B:ARG:HB2	4	0.64	0.15	0.6
(1,1522)	1:97:B:VAL:HG23	1:92:B:ARG:HB2	4	0.64	0.15	0.6
(3,939)	1:97:B:VAL:HG22	1:92:B:ARG:H	4	0.63	0.3	0.69
(3,939)	1:97:B:VAL:HG23	1:92:B:ARG:H	4	0.63	0.3	0.69
(1,415)	1:65:B:ASP:H	1:64:B:LYS:HB2	4	0.61	0.05	0.6
(1,10)	1:5:B:ARG:H	1:5:B:ARG:HB2	4	0.59	0.03	0.59
(1,2229)	1:45:B:ARG:HD2	1:43:B:VAL:HB	4	0.59	0.35	0.65
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD21	4	0.58	0.12	0.58
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD22	4	0.58	0.12	0.58
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD23	4	0.58	0.12	0.58
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD11	4	0.56	0.07	0.56
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD12	4	0.56	0.07	0.56
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD13	4	0.56	0.07	0.56
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD11	4	0.56	0.07	0.56
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD12	4	0.56	0.07	0.56
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD13	4	0.56	0.07	0.56
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD11	4	0.56	0.07	0.56
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD12	4	0.56	0.07	0.56
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD13	4	0.56	0.07	0.56
(1,2736)	1:76:B:TRP:HH2	1:114:B:ILE:HG13	4	0.54	0.22	0.56
(1,1691)	1:20:B:LEU:HD11	1:36:B:ILE:HG12	4	0.52	0.12	0.5
(1,1691)	1:20:B:LEU:HD12	1:36:B:ILE:HG12	4	0.52	0.12	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1691)	1:20:B:LEU:HD13	1:36:B:ILE:HG12	4	0.52	0.12	0.5
(3,917)	1:98:B:LEU:HD23	1:114:B:ILE:H	4	0.52	0.41	0.51
(3,917)	1:37:B:LEU:HD13	1:36:B:ILE:H	4	0.52	0.41	0.51
(3,917)	1:37:B:LEU:HD11	1:36:B:ILE:H	4	0.52	0.41	0.51
(2,33)	1:74:B:VAL:HG21	1:114:B:ILE:HG12	4	0.52	0.23	0.62
(2,33)	1:74:B:VAL:HG22	1:114:B:ILE:HG12	4	0.52	0.23	0.62
(2,33)	1:74:B:VAL:HG23	1:114:B:ILE:HG12	4	0.52	0.23	0.62
(3,962)	1:48:B:LYS:HG3	1:51:B:ILE:HD13	4	0.5	0.15	0.52
(3,1659)	1:33:B:VAL:HB	1:33:B:VAL:H	4	0.46	0.12	0.47
(1,919)	1:133:B:LYS:HB2	1:134:B:ARG:HD3	4	0.43	0.37	0.27
(1,919)	1:133:B:LYS:HB2	1:134:B:ARG:HD2	4	0.43	0.37	0.27
(3,598)	1:84:B:LEU:HD22	1:114:B:ILE:HB	4	0.42	0.19	0.48
(3,598)	1:84:B:LEU:HD21	1:114:B:ILE:HB	4	0.42	0.19	0.48
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG11	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG12	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG13	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG11	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG12	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG13	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG11	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG12	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG13	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG21	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG22	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG23	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG21	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG22	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG23	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG21	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG22	4	0.39	0.26	0.28
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG23	4	0.39	0.26	0.28
(3,1433)	1:51:B:ILE:HG22	1:55:B:VAL:HG11	4	0.38	0.2	0.34
(3,1433)	1:51:B:ILE:HG21	1:55:B:VAL:HG13	4	0.38	0.2	0.34
(3,1433)	1:51:B:ILE:HG23	1:55:B:VAL:HG12	4	0.38	0.2	0.34
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD11	4	0.38	0.08	0.42
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD12	4	0.38	0.08	0.42
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD13	4	0.38	0.08	0.42
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD11	4	0.38	0.08	0.42
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD12	4	0.38	0.08	0.42
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD13	4	0.38	0.08	0.42
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD11	4	0.38	0.08	0.42
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD12	4	0.38	0.08	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD13	4	0.38	0.08	0.42
(1,1915)	1:64:B:LYS:HE2	1:64:B:LYS:HA	4	0.36	0.06	0.34
(3,26)	1:16:B:HIS:H	1:40:B:LEU:HD21	4	0.36	0.13	0.42
(3,26)	1:16:B:HIS:H	1:40:B:LEU:HD22	4	0.36	0.13	0.42
(3,26)	1:16:B:HIS:H	1:40:B:LEU:HD13	4	0.36	0.13	0.42
(3,1172)	1:74:B:VAL:HG11	1:109:B:ARG:HB2	4	0.35	0.09	0.35
(3,1172)	1:74:B:VAL:HG13	1:109:B:ARG:HB2	4	0.35	0.09	0.35
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG11	4	0.35	0.26	0.24
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG12	4	0.35	0.26	0.24
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG13	4	0.35	0.26	0.24
(1,588)	1:92:B:ARG:H	1:92:B:ARG:HB3	4	0.34	0.01	0.34
(3,425)	1:134:B:ARG:HA	1:134:B:ARG:HD3	4	0.34	0.12	0.36
(1,6)	1:4:B:ARG:H	1:4:B:ARG:HB2	4	0.34	0.14	0.34
(3,502)	1:83:B:GLU:HB3	1:82:B:LEU:HB3	4	0.33	0.21	0.24
(3,502)	1:129:B:GLU:HB3	1:130:B:LEU:HB3	4	0.33	0.21	0.24
(1,1422)	1:105:B:ILE:HG21	1:109:B:ARG:HD3	4	0.33	0.2	0.33
(1,1422)	1:105:B:ILE:HG22	1:109:B:ARG:HD3	4	0.33	0.2	0.33
(1,1422)	1:105:B:ILE:HG23	1:109:B:ARG:HD3	4	0.33	0.2	0.33
(3,682)	1:115:B:VAL:HG13	1:127:B:ARG:HB3	4	0.32	0.15	0.31
(3,682)	1:115:B:VAL:HG12	1:127:B:ARG:HB3	4	0.32	0.15	0.31
(1,454)	1:70:B:GLY:H	1:68:B:ARG:HB2	4	0.32	0.1	0.29
(1,454)	1:70:B:GLY:H	1:68:B:ARG:HB3	4	0.32	0.1	0.29
(3,145)	1:66:B:PHE:H	1:65:B:ASP:HB3	4	0.3	0.12	0.35
(1,885)	1:40:B:LEU:HD21	1:9:B:TRP:HZ3	4	0.3	0.13	0.28
(1,885)	1:40:B:LEU:HD22	1:9:B:TRP:HZ3	4	0.3	0.13	0.28
(1,885)	1:40:B:LEU:HD23	1:9:B:TRP:HZ3	4	0.3	0.13	0.28
(1,1592)	1:92:B:ARG:HD3	1:88:B:PHE:HE1	4	0.28	0.1	0.32
(1,1592)	1:92:B:ARG:HD3	1:88:B:PHE:HE2	4	0.28	0.1	0.32
(3,1232)	1:8:B:THR:HB	1:7:B:PRO:HB2	4	0.28	0.1	0.32
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD21	4	0.27	0.14	0.23
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD22	4	0.27	0.14	0.23
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD23	4	0.27	0.14	0.23
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD21	4	0.27	0.14	0.23
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD22	4	0.27	0.14	0.23
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD23	4	0.27	0.14	0.23
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD21	4	0.27	0.14	0.23
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD22	4	0.27	0.14	0.23
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD23	4	0.27	0.14	0.23
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG21	4	0.26	0.1	0.24
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG22	4	0.26	0.1	0.24
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG23	4	0.26	0.1	0.24
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG21	4	0.26	0.1	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG22	4	0.26	0.1	0.24
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG23	4	0.26	0.1	0.24
(1,2136)	1:51:B:ILE:HG21	1:63:B:VAL:HB	4	0.26	0.05	0.24
(1,2136)	1:51:B:ILE:HG22	1:63:B:VAL:HB	4	0.26	0.05	0.24
(1,2136)	1:51:B:ILE:HG23	1:63:B:VAL:HB	4	0.26	0.05	0.24
(1,959)	1:131:B:TYR:HD1	1:127:B:ARG:HB3	4	0.26	0.1	0.27
(1,959)	1:131:B:TYR:HD2	1:127:B:ARG:HB3	4	0.26	0.1	0.27
(1,2120)	1:52:B:HIS:HE1	1:56:B:GLN:HG3	4	0.25	0.24	0.12
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG11	4	0.25	0.08	0.24
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG12	4	0.25	0.08	0.24
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG13	4	0.25	0.08	0.24
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG21	4	0.25	0.08	0.24
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG22	4	0.25	0.08	0.24
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG23	4	0.25	0.08	0.24
(1,1814)	1:74:B:VAL:HG21	1:113:B:ARG:HD2	4	0.24	0.14	0.19
(1,1814)	1:74:B:VAL:HG22	1:113:B:ARG:HD2	4	0.24	0.14	0.19
(1,1814)	1:74:B:VAL:HG23	1:113:B:ARG:HD2	4	0.24	0.14	0.19
(1,1814)	1:74:B:VAL:HG21	1:113:B:ARG:HD3	4	0.24	0.14	0.19
(1,1814)	1:74:B:VAL:HG22	1:113:B:ARG:HD3	4	0.24	0.14	0.19
(1,1814)	1:74:B:VAL:HG23	1:113:B:ARG:HD3	4	0.24	0.14	0.19
(3,832)	1:31:B:ASP:HB3	1:30:B:GLN:HG2	4	0.24	0.12	0.22
(3,832)	1:103:B:LYS:HE2	1:102:B:MET:HB2	4	0.24	0.12	0.22
(3,1231)	1:71:B:THR:HA	1:71:B:THR:HB	4	0.24	0.12	0.24
(1,1531)	1:97:B:VAL:HG11	1:88:B:PHE:HE1	4	0.23	0.1	0.22
(1,1531)	1:97:B:VAL:HG11	1:88:B:PHE:HE2	4	0.23	0.1	0.22
(1,1531)	1:97:B:VAL:HG12	1:88:B:PHE:HE1	4	0.23	0.1	0.22
(1,1531)	1:97:B:VAL:HG12	1:88:B:PHE:HE2	4	0.23	0.1	0.22
(1,1531)	1:97:B:VAL:HG13	1:88:B:PHE:HE1	4	0.23	0.1	0.22
(1,1531)	1:97:B:VAL:HG13	1:88:B:PHE:HE2	4	0.23	0.1	0.22
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG11	4	0.23	0.07	0.22
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG12	4	0.23	0.07	0.22
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG13	4	0.23	0.07	0.22
(3,744)	1:114:B:ILE:HD11	1:101:B:ILE:HA	4	0.22	0.11	0.22
(3,744)	1:114:B:ILE:HD12	1:101:B:ILE:HA	4	0.22	0.11	0.22
(3,744)	1:114:B:ILE:HD13	1:101:B:ILE:HA	4	0.22	0.11	0.22
(1,1620)	1:90:B:GLU:HG2	1:91:B:PHE:HD1	4	0.21	0.04	0.22
(1,1620)	1:90:B:GLU:HG2	1:91:B:PHE:HD2	4	0.21	0.04	0.22
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG21	4	0.21	0.04	0.21
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG22	4	0.21	0.04	0.21
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG23	4	0.21	0.04	0.21
(1,3)	1:102:B:MET:H	1:102:B:MET:HG3	4	0.18	0.04	0.18
(1,1943)	1:62:B:SER:HB3	1:63:B:VAL:H	4	0.16	0.04	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD11	4	0.16	0.04	0.15
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD12	4	0.16	0.04	0.15
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD13	4	0.16	0.04	0.15
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD21	4	0.16	0.04	0.15
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD22	4	0.16	0.04	0.15
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD23	4	0.16	0.04	0.15
(2,11)	1:110:B:SER:H	1:74:B:VAL:HB	4	0.15	0.02	0.15
(3,270)	1:118:B:LEU:H	1:114:B:ILE:HG21	4	0.13	0.03	0.12
(3,270)	1:118:B:LEU:H	1:114:B:ILE:HG22	4	0.13	0.03	0.12
(3,270)	1:118:B:LEU:H	1:114:B:ILE:HG23	4	0.13	0.03	0.12
(1,1844)	1:73:B:ILE:HD11	1:80:B:GLN:HE21	4	0.12	0.03	0.11
(1,1844)	1:73:B:ILE:HD12	1:80:B:GLN:HE21	4	0.12	0.03	0.11
(1,1844)	1:73:B:ILE:HD13	1:80:B:GLN:HE21	4	0.12	0.03	0.11
(3,1227)	1:71:B:THR:HB	1:73:B:ILE:HG13	3	1.22	0.75	1.18
(3,1422)	1:52:B:HIS:HE1	1:48:B:LYS:HD2	3	1.17	0.03	1.16
(3,1752)	1:113:B:ARG:HD3	1:74:B:VAL:HG13	3	1.07	0.64	0.76
(3,1752)	1:113:B:ARG:HD2	1:74:B:VAL:HG12	3	1.07	0.64	0.76
(3,1752)	1:113:B:ARG:HD3	1:74:B:VAL:HG12	3	1.07	0.64	0.76
(3,1763)	1:17:B:LEU:HD12	1:50:B:ILE:HB	3	1.05	0.74	1.01
(3,1763)	1:17:B:LEU:HD11	1:36:B:ILE:HG13	3	1.05	0.74	1.01
(3,662)	1:87:B:LEU:HA	1:90:B:GLU:HB2	3	1.04	0.43	1.21
(1,1142)	1:75:B:LEU:HG	1:74:B:VAL:HA	3	1.0	0.45	1.28
(3,1766)	1:17:B:LEU:HD12	1:17:B:LEU:HA	3	0.96	0.42	0.76
(3,1766)	1:17:B:LEU:HD13	1:17:B:LEU:HA	3	0.96	0.42	0.76
(3,1766)	1:17:B:LEU:HD11	1:17:B:LEU:HA	3	0.96	0.42	0.76
(3,1546)	1:43:B:VAL:HG13	1:45:B:ARG:HG3	3	0.92	0.57	0.72
(3,1546)	1:43:B:VAL:HG13	1:6:B:ALA:HB1	3	0.92	0.57	0.72
(3,1546)	1:43:B:VAL:HG12	1:45:B:ARG:HG3	3	0.92	0.57	0.72
(1,2556)	1:17:B:LEU:HD21	1:54:B:LEU:HA	3	0.92	0.34	0.75
(1,2556)	1:17:B:LEU:HD22	1:54:B:LEU:HA	3	0.92	0.34	0.75
(1,2556)	1:17:B:LEU:HD23	1:54:B:LEU:HA	3	0.92	0.34	0.75
(3,731)	1:128:B:ARG:HB3	1:129:B:GLU:HG3	3	0.86	0.17	0.75
(3,731)	1:128:B:ARG:HB3	1:129:B:GLU:HG2	3	0.86	0.17	0.75
(3,731)	1:128:B:ARG:HB2	1:129:B:GLU:HG2	3	0.86	0.17	0.75
(3,603)	1:121:B:LEU:HD12	1:121:B:LEU:HA	3	0.85	0.0	0.85
(3,603)	1:121:B:LEU:HD11	1:121:B:LEU:HA	3	0.85	0.0	0.85
(3,603)	1:121:B:LEU:HD13	1:121:B:LEU:HA	3	0.85	0.0	0.85
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD11	3	0.8	0.26	0.7
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD12	3	0.8	0.26	0.7
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD13	3	0.8	0.26	0.7
(3,1383)	1:54:B:LEU:HD23	1:59:B:LEU:HG	3	0.8	0.06	0.79
(3,1383)	1:54:B:LEU:HD21	1:59:B:LEU:HG	3	0.8	0.06	0.79

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,186)	1:85:B:GLN:H	1:84:B:LEU:HD11	3	0.78	0.1	0.83
(3,186)	1:85:B:GLN:H	1:84:B:LEU:HD13	3	0.78	0.1	0.83
(1,2210)	1:48:B:LYS:HG2	1:49:B:GLN:HG2	3	0.74	0.02	0.73
(3,1521)	1:128:B:ARG:HD3	1:126:B:GLU:HG3	3	0.69	0.4	0.43
(3,1521)	1:127:B:ARG:HD2	1:115:B:VAL:HB	3	0.69	0.4	0.43
(3,1521)	1:128:B:ARG:HD2	1:126:B:GLU:HG3	3	0.69	0.4	0.43
(1,2557)	1:17:B:LEU:HD21	1:53:B:HIS:HB3	3	0.69	0.39	0.44
(1,2557)	1:17:B:LEU:HD22	1:53:B:HIS:HB3	3	0.69	0.39	0.44
(1,2557)	1:17:B:LEU:HD23	1:53:B:HIS:HB3	3	0.69	0.39	0.44
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD21	3	0.66	0.16	0.75
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD22	3	0.66	0.16	0.75
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD23	3	0.66	0.16	0.75
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD11	3	0.65	0.39	0.78
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD12	3	0.65	0.39	0.78
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD13	3	0.65	0.39	0.78
(3,630)	1:37:B:LEU:HD21	1:47:B:ARG:HA	3	0.65	0.32	0.81
(3,630)	1:59:B:LEU:HD11	1:18:B:ARG:HA	3	0.65	0.32	0.81
(1,1603)	1:66:B:PHE:HE1	1:65:B:ASP:HB3	3	0.64	0.18	0.69
(1,1603)	1:66:B:PHE:HE2	1:65:B:ASP:HB3	3	0.64	0.18	0.69
(3,1509)	1:48:B:LYS:HD3	1:52:B:HIS:HE1	3	0.64	0.11	0.61
(3,1581)	1:40:B:LEU:HD13	1:39:B:HIS:H	3	0.61	0.11	0.6
(1,883)	1:40:B:LEU:HD11	1:43:B:VAL:H	3	0.6	0.23	0.5
(1,883)	1:40:B:LEU:HD12	1:43:B:VAL:H	3	0.6	0.23	0.5
(1,883)	1:40:B:LEU:HD13	1:43:B:VAL:H	3	0.6	0.23	0.5
(3,1519)	1:47:B:ARG:HG3	1:37:B:LEU:HD22	3	0.59	0.28	0.65
(3,1519)	1:111:B:ARG:HG2	1:98:B:LEU:HD22	3	0.59	0.28	0.65
(3,1519)	1:111:B:ARG:HG2	1:98:B:LEU:HD21	3	0.59	0.28	0.65
(3,1274)	1:63:B:VAL:HG23	1:64:B:LYS:HE2	3	0.57	0.55	0.27
(3,1274)	1:63:B:VAL:HG21	1:51:B:ILE:HA	3	0.57	0.55	0.27
(3,1274)	1:63:B:VAL:HG23	1:51:B:ILE:HA	3	0.57	0.55	0.27
(3,1629)	1:35:B:ALA:HB3	1:30:B:GLN:HG2	3	0.55	0.33	0.46
(3,1629)	1:35:B:ALA:HB2	1:30:B:GLN:HG2	3	0.55	0.33	0.46
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD11	3	0.54	0.26	0.53
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD12	3	0.54	0.26	0.53
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD13	3	0.54	0.26	0.53
(1,2495)	1:25:B:LYS:HG3	1:21:B:TYR:HE2	3	0.52	0.23	0.58
(1,2495)	1:25:B:LYS:HG3	1:21:B:TYR:HE1	3	0.52	0.23	0.58
(1,2495)	1:25:B:LYS:HG3	1:21:B:TYR:HD1	3	0.52	0.23	0.58
(3,402)	1:48:B:LYS:HE2	1:48:B:LYS:HB3	3	0.52	0.07	0.56
(3,402)	1:133:B:LYS:HE2	1:133:B:LYS:HB3	3	0.52	0.07	0.56
(3,402)	1:132:B:LYS:HE2	1:132:B:LYS:HB3	3	0.52	0.07	0.56
(3,86)	1:47:B:ARG:H	1:50:B:ILE:HD11	3	0.51	0.13	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,86)	1:47:B:ARG:H	1:50:B:ILE:HD13	3	0.51	0.13	0.46
(1,1035)	1:126:B:GLU:HG2	1:128:B:ARG:HD2	3	0.5	0.3	0.47
(3,1555)	1:42:B:THR:HA	1:43:B:VAL:HB	3	0.48	0.03	0.47
(3,1502)	1:133:B:LYS:HB3	1:134:B:ARG:HD2	3	0.48	0.26	0.43
(3,1502)	1:133:B:LYS:HB3	1:134:B:ARG:HD3	3	0.48	0.26	0.43
(3,1246)	1:65:B:ASP:HA	1:55:B:VAL:HG13	3	0.47	0.16	0.47
(3,1246)	1:67:B:GLN:HA	1:51:B:ILE:HD11	3	0.47	0.16	0.47
(3,1518)	1:127:B:ARG:HG2	1:115:B:VAL:HG23	3	0.45	0.4	0.18
(3,1518)	1:127:B:ARG:HG2	1:130:B:LEU:HD12	3	0.45	0.4	0.18
(3,1297)	1:42:B:THR:HG23	1:40:B:LEU:HG	3	0.43	0.28	0.41
(3,1297)	1:42:B:THR:HG22	1:40:B:LEU:HB2	3	0.43	0.28	0.41
(3,1531)	1:77:B:THR:HG22	1:80:B:GLN:HB3	3	0.42	0.12	0.38
(3,1531)	1:46:B:THR:HG21	1:49:B:GLN:HG2	3	0.42	0.12	0.38
(3,1531)	1:77:B:THR:HG21	1:80:B:GLN:HB3	3	0.42	0.12	0.38
(3,213)	1:94:B:SER:H	1:91:B:PHE:HD1	3	0.39	0.16	0.37
(3,213)	1:94:B:SER:H	1:100:B:HIS:HD2	3	0.39	0.16	0.37
(3,1091)	1:83:B:GLU:HA	1:83:B:GLU:HG3	3	0.39	0.0	0.39
(1,2112)	1:52:B:HIS:HD2	1:48:B:LYS:HD2	3	0.38	0.11	0.45
(1,251)	1:40:B:LEU:H	1:40:B:LEU:HG	3	0.38	0.09	0.38
(3,1583)	1:113:B:ARG:HG2	1:112:B:ALA:H	3	0.38	0.05	0.38
(3,1583)	1:113:B:ARG:HG3	1:115:B:VAL:H	3	0.38	0.05	0.38
(1,15)	1:6:B:ALA:H	1:5:B:ARG:HG2	3	0.35	0.21	0.31
(1,15)	1:6:B:ALA:H	1:5:B:ARG:HG3	3	0.35	0.21	0.31
(3,264)	1:117:B:LYS:H	1:121:B:LEU:HD13	3	0.34	0.0	0.34
(3,264)	1:117:B:LYS:H	1:118:B:LEU:HD23	3	0.34	0.0	0.34
(3,264)	1:117:B:LYS:H	1:121:B:LEU:HD11	3	0.34	0.0	0.34
(3,610)	1:112:B:ALA:HB3	1:111:B:ARG:HB2	3	0.33	0.18	0.32
(3,610)	1:112:B:ALA:HB1	1:111:B:ARG:HB2	3	0.33	0.18	0.32
(3,1441)	1:51:B:ILE:HD13	1:47:B:ARG:HB2	3	0.31	0.26	0.14
(3,1441)	1:51:B:ILE:HD11	1:47:B:ARG:HB3	3	0.31	0.26	0.14
(3,1441)	1:51:B:ILE:HD12	1:47:B:ARG:HB3	3	0.31	0.26	0.14
(3,441)	1:67:B:GLN:HG3	1:33:B:VAL:HG13	3	0.3	0.13	0.24
(3,441)	1:67:B:GLN:HG3	1:63:B:VAL:HG22	3	0.3	0.13	0.24
(3,441)	1:67:B:GLN:HG2	1:63:B:VAL:HG21	3	0.3	0.13	0.24
(3,864)	1:105:B:ILE:HD12	1:109:B:ARG:HD2	3	0.3	0.09	0.31
(3,864)	1:105:B:ILE:HD12	1:80:B:GLN:HG3	3	0.3	0.09	0.31
(3,864)	1:105:B:ILE:HD11	1:109:B:ARG:HD2	3	0.3	0.09	0.31
(3,715)	1:33:B:VAL:HG21	1:34:B:GLU:H	3	0.3	0.08	0.27
(3,715)	1:33:B:VAL:HG23	1:34:B:GLU:H	3	0.3	0.08	0.27
(1,2386)	1:36:B:ILE:HB	1:33:B:VAL:HA	3	0.29	0.04	0.31
(3,834)	1:27:B:VAL:HB	1:30:B:GLN:H	3	0.29	0.14	0.38
(1,1977)	1:60:B:ALA:HB1	1:66:B:PHE:HZ	3	0.29	0.2	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1977)	1:60:B:ALA:HB2	1:66:B:PHE:HZ	3	0.29	0.2	0.18
(1,1977)	1:60:B:ALA:HB3	1:66:B:PHE:HZ	3	0.29	0.2	0.18
(3,476)	1:132:B:LYS:HA	1:132:B:LYS:HG2	3	0.28	0.11	0.3
(3,476)	1:132:B:LYS:HA	1:132:B:LYS:HG3	3	0.28	0.11	0.3
(3,476)	1:69:B:LYS:HA	1:69:B:LYS:HG3	3	0.28	0.11	0.3
(3,982)	1:66:B:PHE:HD1	1:63:B:VAL:HB	3	0.27	0.13	0.22
(3,982)	1:66:B:PHE:HD2	1:63:B:VAL:HB	3	0.27	0.13	0.22
(3,785)	1:109:B:ARG:HG2	1:113:B:ARG:HB3	3	0.26	0.11	0.28
(3,785)	1:109:B:ARG:HG2	1:113:B:ARG:HB2	3	0.26	0.11	0.28
(1,1653)	1:89:B:GLU:HG3	1:89:B:GLU:H	3	0.26	0.0	0.26
(3,1863)	1:6:B:ALA:HB2	1:7:B:PRO:HG2	3	0.25	0.1	0.29
(3,1863)	1:6:B:ALA:HB3	1:7:B:PRO:HG2	3	0.25	0.1	0.29
(3,556)	1:124:B:VAL:HG23	1:130:B:LEU:H	3	0.25	0.09	0.26
(3,556)	1:124:B:VAL:HG22	1:130:B:LEU:H	3	0.25	0.09	0.26
(1,2293)	1:43:B:VAL:HB	1:44:B:PRO:HD2	3	0.24	0.06	0.26
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG21	3	0.24	0.02	0.24
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG22	3	0.24	0.02	0.24
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG23	3	0.24	0.02	0.24
(1,1528)	1:97:B:VAL:HG21	1:88:B:PHE:HE1	3	0.23	0.11	0.17
(1,1528)	1:97:B:VAL:HG21	1:88:B:PHE:HE2	3	0.23	0.11	0.17
(1,1528)	1:97:B:VAL:HG22	1:88:B:PHE:HE1	3	0.23	0.11	0.17
(1,1528)	1:97:B:VAL:HG22	1:88:B:PHE:HE2	3	0.23	0.11	0.17
(1,1528)	1:97:B:VAL:HG23	1:88:B:PHE:HE1	3	0.23	0.11	0.17
(1,1528)	1:97:B:VAL:HG23	1:88:B:PHE:HE2	3	0.23	0.11	0.17
(1,2397)	1:35:B:ALA:HB1	1:39:B:HIS:HB3	3	0.23	0.05	0.24
(1,2397)	1:35:B:ALA:HB2	1:39:B:HIS:HB3	3	0.23	0.05	0.24
(1,2397)	1:35:B:ALA:HB3	1:39:B:HIS:HB3	3	0.23	0.05	0.24
(3,1286)	1:31:B:ASP:HB2	1:30:B:GLN:HB3	3	0.23	0.02	0.23
(1,1482)	1:100:B:HIS:HD2	1:97:B:VAL:HA	3	0.23	0.12	0.15
(3,1311)	1:37:B:LEU:HD21	1:33:B:VAL:HG23	3	0.22	0.08	0.28
(3,1311)	1:59:B:LEU:HD11	1:59:B:LEU:HD23	3	0.22	0.08	0.28
(3,1311)	1:37:B:LEU:HD21	1:50:B:ILE:HG22	3	0.22	0.08	0.28
(1,859)	1:63:B:VAL:HA	1:66:B:PHE:HD1	3	0.22	0.08	0.2
(1,859)	1:63:B:VAL:HA	1:66:B:PHE:HD2	3	0.22	0.08	0.2
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG21	3	0.22	0.08	0.21
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG22	3	0.22	0.08	0.21
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG23	3	0.22	0.08	0.21
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG21	3	0.22	0.08	0.21
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG22	3	0.22	0.08	0.21
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG23	3	0.22	0.08	0.21
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG21	3	0.22	0.08	0.21
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG22	3	0.22	0.08	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG23	3	0.22	0.08	0.21
(1,1368)	1:107:B:ALA:HB1	1:108:B:LYS:HE3	3	0.21	0.05	0.19
(1,1368)	1:107:B:ALA:HB2	1:108:B:LYS:HE3	3	0.21	0.05	0.19
(1,1368)	1:107:B:ALA:HB3	1:108:B:LYS:HE3	3	0.21	0.05	0.19
(1,2701)	1:118:B:LEU:HD11	1:88:B:PHE:HB3	3	0.21	0.08	0.18
(1,2701)	1:118:B:LEU:HD12	1:88:B:PHE:HB3	3	0.21	0.08	0.18
(1,2701)	1:118:B:LEU:HD13	1:88:B:PHE:HB3	3	0.21	0.08	0.18
(3,1499)	1:48:B:LYS:HA	1:48:B:LYS:HG3	3	0.2	0.03	0.19
(3,608)	1:112:B:ALA:HA	1:115:B:VAL:HA	3	0.2	0.06	0.23
(3,696)	1:97:B:VAL:HG23	1:92:B:ARG:HA	3	0.19	0.1	0.13
(3,696)	1:97:B:VAL:HG22	1:92:B:ARG:HA	3	0.19	0.1	0.13
(3,696)	1:97:B:VAL:HG21	1:92:B:ARG:HA	3	0.19	0.1	0.13
(3,1911)	1:109:B:ARG:HD2	1:110:B:SER:H	3	0.19	0.07	0.2
(3,1102)	1:19:B:GLU:HG2	1:19:B:GLU:H	3	0.19	0.0	0.19
(3,1102)	1:34:B:GLU:HG2	1:34:B:GLU:H	3	0.19	0.0	0.19
(1,1239)	1:63:B:VAL:HB	1:66:B:PHE:HD1	3	0.18	0.08	0.14
(1,1239)	1:63:B:VAL:HB	1:66:B:PHE:HD2	3	0.18	0.08	0.14
(3,1229)	1:71:B:THR:HA	1:73:B:ILE:HB	3	0.18	0.02	0.18
(3,1793)	1:16:B:HIS:HD2	1:20:B:LEU:HB3	3	0.18	0.01	0.18
(1,431)	1:67:B:GLN:H	1:64:B:LYS:HB3	3	0.17	0.06	0.16
(1,2754)	1:109:B:ARG:HD2	1:114:B:ILE:H	3	0.17	0.09	0.11
(3,1601)	1:37:B:LEU:HA	1:50:B:ILE:HD13	3	0.17	0.04	0.19
(3,1601)	1:37:B:LEU:HA	1:50:B:ILE:HD11	3	0.17	0.04	0.19
(3,1601)	1:37:B:LEU:HA	1:50:B:ILE:HD12	3	0.17	0.04	0.19
(1,1940)	1:63:B:VAL:HG21	1:64:B:LYS:H	3	0.16	0.02	0.16
(1,1940)	1:63:B:VAL:HG22	1:64:B:LYS:H	3	0.16	0.02	0.16
(1,1940)	1:63:B:VAL:HG23	1:64:B:LYS:H	3	0.16	0.02	0.16
(3,1131)	1:72:B:HIS:HB3	1:73:B:ILE:HG12	3	0.15	0.02	0.15
(3,1131)	1:72:B:HIS:HB3	1:71:B:THR:HG23	3	0.15	0.02	0.15
(3,900)	1:37:B:LEU:HD11	1:37:B:LEU:HB2	3	0.15	0.04	0.14
(2,16)	1:3:B:SER:HB3	1:44:B:PRO:HA	3	0.15	0.03	0.14
(3,1076)	1:115:B:VAL:HG12	1:118:B:LEU:H	3	0.14	0.01	0.15
(3,1076)	1:115:B:VAL:HG11	1:118:B:LEU:H	3	0.14	0.01	0.15
(1,451)	1:68:B:ARG:H	1:70:B:GLY:H	3	0.14	0.01	0.14
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG11	3	0.14	0.02	0.13
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG12	3	0.14	0.02	0.13
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG13	3	0.14	0.02	0.13
(3,554)	1:124:B:VAL:HG12	1:126:B:GLU:H	3	0.14	0.02	0.14
(3,554)	1:124:B:VAL:HG13	1:126:B:GLU:H	3	0.14	0.02	0.14
(1,1175)	1:119:B:LEU:HD11	1:118:B:LEU:H	3	0.12	0.02	0.12
(1,1175)	1:119:B:LEU:HD12	1:118:B:LEU:H	3	0.12	0.02	0.12
(1,1175)	1:119:B:LEU:HD13	1:118:B:LEU:H	3	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1451)	1:102:B:MET:HE1	1:111:B:ARG:HG3	3	0.12	0.02	0.12
(1,1451)	1:102:B:MET:HE2	1:111:B:ARG:HG3	3	0.12	0.02	0.12
(1,1451)	1:102:B:MET:HE3	1:111:B:ARG:HG3	3	0.12	0.02	0.12
(3,165)	1:76:B:TRP:HE1	1:114:B:ILE:HG12	3	0.12	0.01	0.11
(1,807)	1:135:B:GLN:HE21	1:135:B:GLN:HA	3	0.12	0.01	0.12
(1,1957)	1:61:B:ASP:HA	1:62:B:SER:HB3	3	0.11	0.01	0.11
(1,831)	1:80:B:GLN:HE21	1:80:B:GLN:HB3	3	0.11	0.0	0.11
(1,2610)	1:12:B:GLU:HG2	1:12:B:GLU:HB3	3	0.11	0.0	0.11
(3,389)	1:75:B:LEU:HD13	1:75:B:LEU:HB2	3	0.1	0.0	0.1
(3,389)	1:75:B:LEU:HD12	1:75:B:LEU:HB2	3	0.1	0.0	0.1
(1,1517)	1:97:B:VAL:HG11	1:98:B:LEU:HB2	2	1.07	0.27	1.07
(1,1517)	1:97:B:VAL:HG12	1:98:B:LEU:HB2	2	1.07	0.27	1.07
(1,1517)	1:97:B:VAL:HG13	1:98:B:LEU:HB2	2	1.07	0.27	1.07
(3,1037)	1:20:B:LEU:HD13	1:16:B:HIS:HE1	2	1.05	0.02	1.05
(3,1037)	1:20:B:LEU:HD12	1:16:B:HIS:HE1	2	1.05	0.02	1.05
(1,1526)	1:97:B:VAL:HG21	1:88:B:PHE:HA	2	1.01	0.11	1.01
(1,1526)	1:97:B:VAL:HG22	1:88:B:PHE:HA	2	1.01	0.11	1.01
(1,1526)	1:97:B:VAL:HG23	1:88:B:PHE:HA	2	1.01	0.11	1.01
(3,1712)	1:97:B:VAL:HG23	1:88:B:PHE:HA	2	1.01	0.13	1.01
(3,942)	1:97:B:VAL:HG11	1:98:B:LEU:H	2	0.98	0.21	0.98
(1,1577)	1:92:B:ARG:HB3	1:97:B:VAL:HB	2	0.92	0.19	0.92
(1,999)	1:67:B:GLN:HB2	1:67:B:GLN:H	2	0.88	0.03	0.88
(1,1804)	1:74:B:VAL:HG11	1:74:B:VAL:H	2	0.88	0.01	0.88
(1,1804)	1:74:B:VAL:HG12	1:74:B:VAL:H	2	0.88	0.01	0.88
(1,1804)	1:74:B:VAL:HG13	1:74:B:VAL:H	2	0.88	0.01	0.88
(3,1233)	1:77:B:THR:HG22	1:78:B:GLY:HA3	2	0.88	0.01	0.88
(3,1233)	1:77:B:THR:HG23	1:80:B:GLN:HA	2	0.88	0.01	0.88
(1,2562)	1:17:B:LEU:HD11	1:9:B:TRP:HH2	2	0.8	0.49	0.8
(1,2562)	1:17:B:LEU:HD12	1:9:B:TRP:HH2	2	0.8	0.49	0.8
(1,2562)	1:17:B:LEU:HD13	1:9:B:TRP:HH2	2	0.8	0.49	0.8
(3,206)	1:91:B:PHE:H	1:90:B:GLU:HG2	2	0.8	0.14	0.8
(3,206)	1:91:B:PHE:H	1:97:B:VAL:HG23	2	0.8	0.14	0.8
(3,885)	1:98:B:LEU:HA	1:97:B:VAL:HG23	2	0.78	0.02	0.78
(3,885)	1:98:B:LEU:HA	1:114:B:ILE:HG21	2	0.78	0.02	0.78
(3,1228)	1:71:B:THR:HB	1:73:B:ILE:HG13	2	0.77	0.49	0.77
(3,1771)	1:17:B:LEU:HD23	1:17:B:LEU:HB3	2	0.77	0.0	0.77
(1,1499)	1:98:B:LEU:HB3	1:111:B:ARG:HD3	2	0.7	0.29	0.7
(3,362)	1:40:B:LEU:HD22	1:39:B:HIS:H	2	0.7	0.43	0.7
(3,362)	1:40:B:LEU:HD23	1:39:B:HIS:H	2	0.7	0.43	0.7
(3,1902)	1:76:B:TRP:HZ3	1:84:B:LEU:HD12	2	0.69	0.19	0.69
(3,1902)	1:76:B:TRP:HZ3	1:84:B:LEU:HD13	2	0.69	0.19	0.69
(1,354)	1:56:B:GLN:HE22	1:53:B:HIS:HE1	2	0.68	0.15	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1513)	1:47:B:ARG:HA	1:37:B:LEU:HD21	2	0.67	0.06	0.67
(3,1513)	1:18:B:ARG:HA	1:59:B:LEU:HD11	2	0.67	0.06	0.67
(1,2221)	1:46:B:THR:HG21	1:49:B:GLN:HB2	2	0.64	0.01	0.64
(1,2221)	1:46:B:THR:HG22	1:49:B:GLN:HB2	2	0.64	0.01	0.64
(1,2221)	1:46:B:THR:HG23	1:49:B:GLN:HB2	2	0.64	0.01	0.64
(3,753)	1:113:B:ARG:HD3	1:116:B:ASP:HB2	2	0.64	0.21	0.64
(3,753)	1:113:B:ARG:HD3	1:109:B:ARG:HD2	2	0.64	0.21	0.64
(3,1258)	1:66:B:PHE:HB2	1:51:B:ILE:HD12	2	0.62	0.12	0.62
(3,1258)	1:66:B:PHE:HB2	1:51:B:ILE:HD11	2	0.62	0.12	0.62
(3,923)	1:44:B:PRO:HB3	1:44:B:PRO:HD2	2	0.6	0.02	0.6
(1,312)	1:50:B:ILE:H	1:17:B:LEU:HD11	2	0.58	0.1	0.58
(1,312)	1:50:B:ILE:H	1:17:B:LEU:HD12	2	0.58	0.1	0.58
(1,312)	1:50:B:ILE:H	1:17:B:LEU:HD13	2	0.58	0.1	0.58
(3,1375)	1:54:B:LEU:HD12	1:17:B:LEU:HG	2	0.55	0.02	0.55
(3,1375)	1:54:B:LEU:HD13	1:51:B:ILE:HG12	2	0.55	0.02	0.55
(1,575)	1:90:B:GLU:H	1:90:B:GLU:HB2	2	0.55	0.01	0.55
(3,1425)	1:52:B:HIS:HB2	1:63:B:VAL:HG23	2	0.54	0.42	0.54
(3,1285)	1:31:B:ASP:HB2	1:35:B:ALA:HB1	2	0.5	0.13	0.5
(3,1285)	1:31:B:ASP:HB2	1:35:B:ALA:HB2	2	0.5	0.13	0.5
(3,1574)	1:82:B:LEU:HD12	1:85:B:GLN:HG2	2	0.5	0.03	0.5
(3,1753)	1:111:B:ARG:HD2	1:98:B:LEU:HB2	2	0.5	0.34	0.5
(3,683)	1:84:B:LEU:HD11	1:84:B:LEU:HB2	2	0.49	0.02	0.49
(3,683)	1:84:B:LEU:HD13	1:84:B:LEU:HB2	2	0.49	0.02	0.49
(3,820)	1:105:B:ILE:HA	1:87:B:LEU:HB2	2	0.48	0.32	0.48
(1,2044)	1:111:B:ARG:HG2	1:102:B:MET:HE2	2	0.48	0.04	0.48
(1,2044)	1:111:B:ARG:HG2	1:102:B:MET:HE1	2	0.48	0.04	0.48
(3,840)	1:102:B:MET:HE2	1:111:B:ARG:HG2	2	0.48	0.04	0.48
(3,840)	1:102:B:MET:HE1	1:111:B:ARG:HG2	2	0.48	0.04	0.48
(1,1806)	1:74:B:VAL:HG11	1:109:B:ARG:HD3	2	0.47	0.12	0.47
(1,1806)	1:74:B:VAL:HG12	1:109:B:ARG:HD3	2	0.47	0.12	0.47
(1,1806)	1:74:B:VAL:HG13	1:109:B:ARG:HD3	2	0.47	0.12	0.47
(1,622)	1:97:B:VAL:H	1:97:B:VAL:HG11	2	0.46	0.03	0.46
(1,622)	1:97:B:VAL:H	1:97:B:VAL:HG12	2	0.46	0.03	0.46
(1,622)	1:97:B:VAL:H	1:97:B:VAL:HG13	2	0.46	0.03	0.46
(1,1660)	1:90:B:GLU:HA	1:90:B:GLU:HG2	2	0.45	0.01	0.45
(1,1916)	1:25:B:LYS:HE3	1:22:B:LEU:HA	2	0.45	0.01	0.45
(3,210)	1:93:B:ASP:H	1:92:B:ARG:HD3	2	0.45	0.0	0.45
(1,962)	1:131:B:TYR:HD1	1:115:B:VAL:HG11	2	0.44	0.24	0.44
(1,962)	1:131:B:TYR:HD1	1:115:B:VAL:HG12	2	0.44	0.24	0.44
(1,962)	1:131:B:TYR:HD1	1:115:B:VAL:HG13	2	0.44	0.24	0.44
(1,962)	1:131:B:TYR:HD2	1:115:B:VAL:HG11	2	0.44	0.24	0.44
(1,962)	1:131:B:TYR:HD2	1:115:B:VAL:HG12	2	0.44	0.24	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,962)	1:131:B:TYR:HD2	1:115:B:VAL:HG13	2	0.44	0.24	0.44
(3,435)	1:134:B:ARG:HA	1:134:B:ARG:HD3	2	0.44	0.03	0.44
(3,1468)	1:50:B:ILE:HD12	1:49:B:GLN:HB2	2	0.44	0.15	0.44
(3,1468)	1:50:B:ILE:HD12	1:50:B:ILE:HB	2	0.44	0.15	0.44
(1,1901)	1:65:B:ASP:HA	1:61:B:ASP:HB2	2	0.43	0.14	0.43
(1,898)	1:82:B:LEU:HD21	1:86:B:ARG:HD2	2	0.43	0.03	0.43
(1,898)	1:82:B:LEU:HD22	1:86:B:ARG:HD2	2	0.43	0.03	0.43
(1,898)	1:82:B:LEU:HD23	1:86:B:ARG:HD2	2	0.43	0.03	0.43
(1,898)	1:82:B:LEU:HD21	1:86:B:ARG:HD3	2	0.43	0.03	0.43
(1,898)	1:82:B:LEU:HD22	1:86:B:ARG:HD3	2	0.43	0.03	0.43
(1,898)	1:82:B:LEU:HD23	1:86:B:ARG:HD3	2	0.43	0.03	0.43
(3,627)	1:119:B:LEU:HD22	1:116:B:ASP:HA	2	0.43	0.14	0.43
(3,627)	1:119:B:LEU:HD22	1:125:B:ALA:HA	2	0.43	0.14	0.43
(1,1763)	1:82:B:LEU:HD11	1:85:B:GLN:HE22	2	0.42	0.06	0.42
(1,1763)	1:82:B:LEU:HD12	1:85:B:GLN:HE22	2	0.42	0.06	0.42
(1,1763)	1:82:B:LEU:HD13	1:85:B:GLN:HE22	2	0.42	0.06	0.42
(1,2177)	1:50:B:ILE:HD11	1:37:B:LEU:HB3	2	0.42	0.09	0.42
(1,2177)	1:50:B:ILE:HD12	1:37:B:LEU:HB3	2	0.42	0.09	0.42
(1,2177)	1:50:B:ILE:HD13	1:37:B:LEU:HB3	2	0.42	0.09	0.42
(1,691)	1:110:B:SER:H	1:113:B:ARG:HB3	2	0.4	0.16	0.4
(1,2568)	1:17:B:LEU:HD21	1:9:B:TRP:HZ2	2	0.4	0.28	0.4
(1,2568)	1:17:B:LEU:HD22	1:9:B:TRP:HZ2	2	0.4	0.28	0.4
(1,2568)	1:17:B:LEU:HD23	1:9:B:TRP:HZ2	2	0.4	0.28	0.4
(3,1181)	1:74:B:VAL:HB	1:75:B:LEU:HG	2	0.4	0.12	0.4
(3,1181)	1:74:B:VAL:HB	1:75:B:LEU:HB2	2	0.4	0.12	0.4
(1,1171)	1:119:B:LEU:HD21	1:116:B:ASP:HB3	2	0.39	0.28	0.39
(1,1171)	1:119:B:LEU:HD22	1:116:B:ASP:HB3	2	0.39	0.28	0.39
(1,1171)	1:119:B:LEU:HD23	1:116:B:ASP:HB3	2	0.39	0.28	0.39
(3,1264)	1:84:B:LEU:HA	1:101:B:ILE:HG21	2	0.38	0.02	0.38
(3,1264)	1:64:B:LYS:HA	1:63:B:VAL:HG11	2	0.38	0.02	0.38
(1,1096)	1:123:B:LEU:HD21	1:85:B:GLN:HG3	2	0.37	0.12	0.37
(1,1096)	1:123:B:LEU:HD22	1:85:B:GLN:HG3	2	0.37	0.12	0.37
(1,1096)	1:123:B:LEU:HD23	1:85:B:GLN:HG3	2	0.37	0.12	0.37
(3,429)	1:68:B:ARG:HA	1:64:B:LYS:HG2	2	0.37	0.12	0.37
(3,429)	1:137:B:LYS:HA	1:137:B:LYS:HG3	2	0.37	0.12	0.37
(3,664)	1:116:B:ASP:HB2	1:119:B:LEU:HD22	2	0.36	0.08	0.36
(3,664)	1:116:B:ASP:HB2	1:119:B:LEU:HD23	2	0.36	0.08	0.36
(3,1420)	1:52:B:HIS:HD2	1:48:B:LYS:HG3	2	0.36	0.16	0.36
(1,2279)	1:43:B:VAL:HG21	1:45:B:ARG:HG2	2	0.36	0.08	0.36
(1,2279)	1:43:B:VAL:HG22	1:45:B:ARG:HG2	2	0.36	0.08	0.36
(1,2279)	1:43:B:VAL:HG23	1:45:B:ARG:HG2	2	0.36	0.08	0.36
(3,525)	1:126:B:GLU:HG2	1:124:B:VAL:HA	2	0.36	0.16	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2315)	1:42:B:THR:HB	1:13:B:GLU:HG2	2	0.35	0.18	0.35
(1,1374)	1:107:B:ALA:HB1	1:80:B:GLN:HE22	2	0.35	0.25	0.35
(1,1374)	1:107:B:ALA:HB2	1:80:B:GLN:HE22	2	0.35	0.25	0.35
(1,1374)	1:107:B:ALA:HB3	1:80:B:GLN:HE22	2	0.35	0.25	0.35
(1,2484)	1:25:B:LYS:HD2	1:22:B:LEU:HD21	2	0.35	0.0	0.35
(1,2484)	1:25:B:LYS:HD2	1:22:B:LEU:HD22	2	0.35	0.0	0.35
(1,2484)	1:25:B:LYS:HD2	1:22:B:LEU:HD23	2	0.35	0.0	0.35
(1,2699)	1:118:B:LEU:HD11	1:123:B:LEU:HA	2	0.34	0.13	0.34
(1,2699)	1:118:B:LEU:HD12	1:123:B:LEU:HA	2	0.34	0.13	0.34
(1,2699)	1:118:B:LEU:HD13	1:123:B:LEU:HA	2	0.34	0.13	0.34
(1,1557)	1:92:B:ARG:HD2	1:89:B:GLU:HB3	2	0.34	0.22	0.34
(3,411)	1:132:B:LYS:HG2	1:132:B:LYS:HA	2	0.34	0.0	0.34
(3,411)	1:133:B:LYS:HG2	1:133:B:LYS:HA	2	0.34	0.0	0.34
(1,1993)	1:59:B:LEU:HB2	1:57:B:MET:HB3	2	0.33	0.07	0.33
(3,284)	1:122:B:GLY:H	1:123:B:LEU:HD22	2	0.33	0.18	0.33
(3,284)	1:122:B:GLY:H	1:119:B:LEU:HD13	2	0.33	0.18	0.33
(1,1585)	1:92:B:ARG:HA	1:97:B:VAL:HB	2	0.32	0.09	0.32
(3,1791)	1:16:B:HIS:HB3	1:40:B:LEU:HG	2	0.32	0.18	0.32
(1,426)	1:66:B:PHE:H	1:66:B:PHE:HD1	2	0.32	0.13	0.32
(1,426)	1:66:B:PHE:H	1:66:B:PHE:HD2	2	0.32	0.13	0.32
(1,1530)	1:97:B:VAL:HG21	1:88:B:PHE:H	2	0.32	0.14	0.32
(1,1530)	1:97:B:VAL:HG22	1:88:B:PHE:H	2	0.32	0.14	0.32
(1,1530)	1:97:B:VAL:HG23	1:88:B:PHE:H	2	0.32	0.14	0.32
(3,1775)	1:17:B:LEU:HD23	1:54:B:LEU:H	2	0.32	0.21	0.32
(3,1775)	1:17:B:LEU:HD23	1:18:B:ARG:H	2	0.32	0.21	0.32
(3,330)	1:109:B:ARG:HE	1:105:B:ILE:HD13	2	0.32	0.15	0.32
(3,330)	1:109:B:ARG:HE	1:101:B:ILE:HG23	2	0.32	0.15	0.32
(3,1896)	1:76:B:TRP:HH2	1:84:B:LEU:HD13	2	0.32	0.04	0.32
(3,1896)	1:76:B:TRP:HH2	1:84:B:LEU:HD11	2	0.32	0.04	0.32
(3,1044)	1:86:B:ARG:HG3	1:85:B:GLN:H	2	0.31	0.17	0.31
(3,938)	1:97:B:VAL:HG23	1:88:B:PHE:HD2	2	0.31	0.02	0.31
(3,938)	1:97:B:VAL:HG23	1:88:B:PHE:HD1	2	0.31	0.02	0.31
(3,453)	1:47:B:ARG:HD2	1:37:B:LEU:HD21	2	0.3	0.05	0.3
(3,453)	1:47:B:ARG:HD2	1:37:B:LEU:HD22	2	0.3	0.05	0.3
(1,2248)	1:45:B:ARG:HD3	1:9:B:TRP:HH2	2	0.3	0.08	0.3
(1,444)	1:67:B:GLN:HE21	1:33:B:VAL:HG11	2	0.29	0.15	0.29
(1,444)	1:67:B:GLN:HE21	1:33:B:VAL:HG12	2	0.29	0.15	0.29
(1,444)	1:67:B:GLN:HE21	1:33:B:VAL:HG13	2	0.29	0.15	0.29
(2,14)	1:141:B:SER:H	1:139:B:ALA:HA	2	0.29	0.12	0.29
(1,425)	1:66:B:PHE:H	1:67:B:GLN:HB2	2	0.28	0.16	0.28
(1,2535)	1:21:B:TYR:HE1	1:54:B:LEU:HD11	2	0.28	0.14	0.28
(1,2535)	1:21:B:TYR:HE1	1:54:B:LEU:HD12	2	0.28	0.14	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2535)	1:21:B:TYR:HE1	1:54:B:LEU:HD13	2	0.28	0.14	0.28
(1,2535)	1:21:B:TYR:HE2	1:54:B:LEU:HD11	2	0.28	0.14	0.28
(1,2535)	1:21:B:TYR:HE2	1:54:B:LEU:HD12	2	0.28	0.14	0.28
(1,2535)	1:21:B:TYR:HE2	1:54:B:LEU:HD13	2	0.28	0.14	0.28
(3,170)	1:49:B:GLN:HE21	1:46:B:THR:H	2	0.28	0.01	0.28
(3,170)	1:49:B:GLN:HE21	1:49:B:GLN:H	2	0.28	0.01	0.28
(3,311)	1:133:B:LYS:H	1:133:B:LYS:HB3	2	0.27	0.11	0.27
(3,1609)	1:5:B:ARG:HG2	1:6:B:ALA:HA	2	0.27	0.1	0.27
(3,1609)	1:138:B:LEU:HG	1:140:B:SER:HA	2	0.27	0.1	0.27
(1,1003)	1:127:B:ARG:HD2	1:131:B:TYR:HE1	2	0.26	0.03	0.26
(1,1003)	1:127:B:ARG:HD2	1:131:B:TYR:HE2	2	0.26	0.03	0.26
(1,1263)	1:114:B:ILE:HG21	1:84:B:LEU:HD21	2	0.26	0.05	0.26
(1,1263)	1:114:B:ILE:HG21	1:84:B:LEU:HD22	2	0.26	0.05	0.26
(1,1263)	1:114:B:ILE:HG21	1:84:B:LEU:HD23	2	0.26	0.05	0.26
(1,1263)	1:114:B:ILE:HG22	1:84:B:LEU:HD21	2	0.26	0.05	0.26
(1,1263)	1:114:B:ILE:HG22	1:84:B:LEU:HD22	2	0.26	0.05	0.26
(1,1263)	1:114:B:ILE:HG22	1:84:B:LEU:HD23	2	0.26	0.05	0.26
(1,1263)	1:114:B:ILE:HG23	1:84:B:LEU:HD21	2	0.26	0.05	0.26
(1,1263)	1:114:B:ILE:HG23	1:84:B:LEU:HD22	2	0.26	0.05	0.26
(1,1263)	1:114:B:ILE:HG23	1:84:B:LEU:HD23	2	0.26	0.05	0.26
(1,1421)	1:105:B:ILE:HG21	1:102:B:MET:HG3	2	0.26	0.09	0.26
(1,1421)	1:105:B:ILE:HG22	1:102:B:MET:HG3	2	0.26	0.09	0.26
(1,1421)	1:105:B:ILE:HG23	1:102:B:MET:HG3	2	0.26	0.09	0.26
(3,1516)	1:127:B:ARG:HB3	1:115:B:VAL:HG12	2	0.26	0.08	0.26
(3,1516)	1:127:B:ARG:HB3	1:115:B:VAL:HG13	2	0.26	0.08	0.26
(1,408)	1:64:B:LYS:H	1:62:B:SER:HB3	2	0.26	0.03	0.26
(1,1870)	1:71:B:THR:HB	1:71:B:THR:HA	2	0.26	0.01	0.26
(3,1175)	1:74:B:VAL:HG11	1:109:B:ARG:HB3	2	0.26	0.03	0.26
(3,1175)	1:74:B:VAL:HG13	1:109:B:ARG:HB3	2	0.26	0.03	0.26
(1,429)	1:67:B:GLN:H	1:64:B:LYS:HA	2	0.25	0.04	0.25
(3,488)	1:82:B:LEU:HB3	1:85:B:GLN:HB3	2	0.24	0.12	0.24
(3,1544)	1:44:B:PRO:HD2	1:45:B:ARG:H	2	0.24	0.02	0.24
(3,1738)	1:21:B:TYR:HE1	1:22:B:LEU:H	2	0.24	0.06	0.24
(1,1529)	1:97:B:VAL:HG21	1:101:B:ILE:H	2	0.24	0.01	0.24
(1,1529)	1:97:B:VAL:HG22	1:101:B:ILE:H	2	0.24	0.01	0.24
(1,1529)	1:97:B:VAL:HG23	1:101:B:ILE:H	2	0.24	0.01	0.24
(1,2116)	1:52:B:HIS:HE1	1:63:B:VAL:HG21	2	0.24	0.03	0.24
(1,2116)	1:52:B:HIS:HE1	1:63:B:VAL:HG22	2	0.24	0.03	0.24
(1,2116)	1:52:B:HIS:HE1	1:63:B:VAL:HG23	2	0.24	0.03	0.24
(1,2300)	1:43:B:VAL:HG21	1:53:B:HIS:HD2	2	0.23	0.01	0.23
(1,2300)	1:43:B:VAL:HG22	1:53:B:HIS:HD2	2	0.23	0.01	0.23
(1,2300)	1:43:B:VAL:HG23	1:53:B:HIS:HD2	2	0.23	0.01	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2549)	1:17:B:LEU:HD11	1:54:B:LEU:HD11	2	0.23	0.08	0.23
(1,2549)	1:17:B:LEU:HD11	1:54:B:LEU:HD12	2	0.23	0.08	0.23
(1,2549)	1:17:B:LEU:HD11	1:54:B:LEU:HD13	2	0.23	0.08	0.23
(1,2549)	1:17:B:LEU:HD12	1:54:B:LEU:HD11	2	0.23	0.08	0.23
(1,2549)	1:17:B:LEU:HD12	1:54:B:LEU:HD12	2	0.23	0.08	0.23
(1,2549)	1:17:B:LEU:HD12	1:54:B:LEU:HD13	2	0.23	0.08	0.23
(1,2549)	1:17:B:LEU:HD13	1:54:B:LEU:HD11	2	0.23	0.08	0.23
(1,2549)	1:17:B:LEU:HD13	1:54:B:LEU:HD12	2	0.23	0.08	0.23
(1,2549)	1:17:B:LEU:HD13	1:54:B:LEU:HD13	2	0.23	0.08	0.23
(1,2032)	1:57:B:MET:HE1	1:18:B:ARG:HA	2	0.22	0.05	0.22
(1,2032)	1:57:B:MET:HE2	1:18:B:ARG:HA	2	0.22	0.05	0.22
(1,2032)	1:57:B:MET:HE3	1:18:B:ARG:HA	2	0.22	0.05	0.22
(3,359)	1:98:B:LEU:HD12	1:131:B:TYR:HD2	2	0.22	0.08	0.22
(3,359)	1:98:B:LEU:HD11	1:131:B:TYR:HD2	2	0.22	0.08	0.22
(1,2241)	1:45:B:ARG:HD3	1:53:B:HIS:HD2	2	0.22	0.02	0.22
(3,810)	1:107:B:ALA:HB2	1:105:B:ILE:HB	2	0.22	0.04	0.22
(1,911)	1:135:B:GLN:HA	1:136:B:LYS:HG3	2	0.21	0.05	0.21
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG11	2	0.21	0.03	0.21
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG12	2	0.21	0.03	0.21
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG13	2	0.21	0.03	0.21
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG21	2	0.21	0.03	0.21
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG22	2	0.21	0.03	0.21
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG23	2	0.21	0.03	0.21
(3,10)	1:9:B:TRP:HE1	1:45:B:ARG:HD3	2	0.2	0.06	0.2
(3,1505)	1:48:B:LYS:HG2	1:51:B:ILE:HD12	2	0.2	0.09	0.2
(3,1505)	1:48:B:LYS:HG2	1:51:B:ILE:HD13	2	0.2	0.09	0.2
(3,1341)	1:57:B:MET:HE3	1:18:B:ARG:H	2	0.2	0.01	0.2
(3,1557)	1:42:B:THR:HB	1:40:B:LEU:HG	2	0.2	0.01	0.2
(3,1557)	1:42:B:THR:HB	1:40:B:LEU:HB2	2	0.2	0.01	0.2
(1,2434)	1:32:B:VAL:HG21	1:36:B:ILE:HG13	2	0.2	0.02	0.2
(1,2434)	1:32:B:VAL:HG22	1:36:B:ILE:HG13	2	0.2	0.02	0.2
(3,1547)	1:43:B:VAL:HG13	1:45:B:ARG:HD3	2	0.2	0.05	0.2
(3,1547)	1:43:B:VAL:HG12	1:45:B:ARG:HD3	2	0.2	0.05	0.2
(1,1532)	1:97:B:VAL:HG13	1:88:B:PHE:HD1	2	0.19	0.08	0.19
(1,1532)	1:97:B:VAL:HG11	1:88:B:PHE:HD1	2	0.19	0.08	0.19
(2,44)	1:50:B:ILE:HD11	1:40:B:LEU:H	2	0.19	0.02	0.19
(2,44)	1:50:B:ILE:HD12	1:40:B:LEU:H	2	0.19	0.02	0.19
(2,44)	1:50:B:ILE:HD13	1:40:B:LEU:H	2	0.19	0.02	0.19
(1,896)	1:82:B:LEU:HD11	1:86:B:ARG:HD3	2	0.18	0.02	0.18
(1,896)	1:82:B:LEU:HD12	1:86:B:ARG:HD3	2	0.18	0.02	0.18
(1,896)	1:82:B:LEU:HD13	1:86:B:ARG:HD3	2	0.18	0.02	0.18
(1,896)	1:82:B:LEU:HD11	1:86:B:ARG:HD2	2	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,896)	1:82:B:LEU:HD12	1:86:B:ARG:HD2	2	0.18	0.02	0.18
(1,896)	1:82:B:LEU:HD13	1:86:B:ARG:HD2	2	0.18	0.02	0.18
(3,322)	1:137:B:LYS:H	1:137:B:LYS:HG2	2	0.18	0.02	0.18
(1,1966)	1:60:B:ALA:HB1	1:54:B:LEU:HD11	2	0.18	0.01	0.18
(1,1966)	1:60:B:ALA:HB1	1:54:B:LEU:HD12	2	0.18	0.01	0.18
(1,1966)	1:60:B:ALA:HB1	1:54:B:LEU:HD13	2	0.18	0.01	0.18
(1,1966)	1:60:B:ALA:HB2	1:54:B:LEU:HD11	2	0.18	0.01	0.18
(1,1966)	1:60:B:ALA:HB2	1:54:B:LEU:HD12	2	0.18	0.01	0.18
(1,1966)	1:60:B:ALA:HB2	1:54:B:LEU:HD13	2	0.18	0.01	0.18
(1,1966)	1:60:B:ALA:HB3	1:54:B:LEU:HD11	2	0.18	0.01	0.18
(1,1966)	1:60:B:ALA:HB3	1:54:B:LEU:HD12	2	0.18	0.01	0.18
(1,1966)	1:60:B:ALA:HB3	1:54:B:LEU:HD13	2	0.18	0.01	0.18
(1,2159)	1:51:B:ILE:HD11	1:66:B:PHE:H	2	0.18	0.0	0.18
(1,2159)	1:51:B:ILE:HD12	1:66:B:PHE:H	2	0.18	0.0	0.18
(1,2159)	1:51:B:ILE:HD13	1:66:B:PHE:H	2	0.18	0.0	0.18
(1,2359)	1:38:B:ALA:HA	1:37:B:LEU:HD11	2	0.18	0.0	0.18
(1,2359)	1:38:B:ALA:HA	1:37:B:LEU:HD12	2	0.18	0.0	0.18
(1,2359)	1:38:B:ALA:HA	1:37:B:LEU:HD13	2	0.18	0.0	0.18
(1,474)	1:75:B:LEU:H	1:75:B:LEU:HG	2	0.17	0.03	0.17
(1,1923)	1:64:B:LYS:HB3	1:63:B:VAL:H	2	0.17	0.02	0.17
(3,64)	1:33:B:VAL:H	1:33:B:VAL:HB	2	0.16	0.06	0.16
(1,1225)	1:63:B:VAL:HG11	1:51:B:ILE:HG21	2	0.16	0.03	0.16
(1,1225)	1:63:B:VAL:HG11	1:51:B:ILE:HG22	2	0.16	0.03	0.16
(1,1225)	1:63:B:VAL:HG11	1:51:B:ILE:HG23	2	0.16	0.03	0.16
(1,1225)	1:63:B:VAL:HG12	1:51:B:ILE:HG21	2	0.16	0.03	0.16
(1,1225)	1:63:B:VAL:HG12	1:51:B:ILE:HG22	2	0.16	0.03	0.16
(1,1225)	1:63:B:VAL:HG12	1:51:B:ILE:HG23	2	0.16	0.03	0.16
(1,1225)	1:63:B:VAL:HG13	1:51:B:ILE:HG21	2	0.16	0.03	0.16
(1,1225)	1:63:B:VAL:HG13	1:51:B:ILE:HG22	2	0.16	0.03	0.16
(1,1225)	1:63:B:VAL:HG13	1:51:B:ILE:HG23	2	0.16	0.03	0.16
(1,1920)	1:30:B:GLN:HB3	1:30:B:GLN:HE21	2	0.16	0.04	0.16
(1,2196)	1:49:B:GLN:HG2	1:46:B:THR:HG21	2	0.16	0.05	0.16
(1,2196)	1:49:B:GLN:HG2	1:46:B:THR:HG22	2	0.16	0.05	0.16
(1,2196)	1:49:B:GLN:HG2	1:46:B:THR:HG23	2	0.16	0.05	0.16
(3,1504)	1:48:B:LYS:HG2	1:49:B:GLN:HB2	2	0.16	0.01	0.16
(3,1534)	1:77:B:THR:HG21	1:80:B:GLN:HE21	2	0.16	0.05	0.16
(3,1534)	1:46:B:THR:HG21	1:49:B:GLN:HE22	2	0.16	0.05	0.16
(3,239)	1:110:B:SER:H	1:114:B:ILE:HG13	2	0.16	0.02	0.16
(1,723)	1:117:B:LYS:H	1:114:B:ILE:HG12	2	0.16	0.01	0.16
(1,2362)	1:38:B:ALA:HB1	1:37:B:LEU:HG	2	0.16	0.05	0.16
(1,2362)	1:38:B:ALA:HB2	1:37:B:LEU:HG	2	0.16	0.05	0.16
(1,2362)	1:38:B:ALA:HB3	1:37:B:LEU:HG	2	0.16	0.05	0.16

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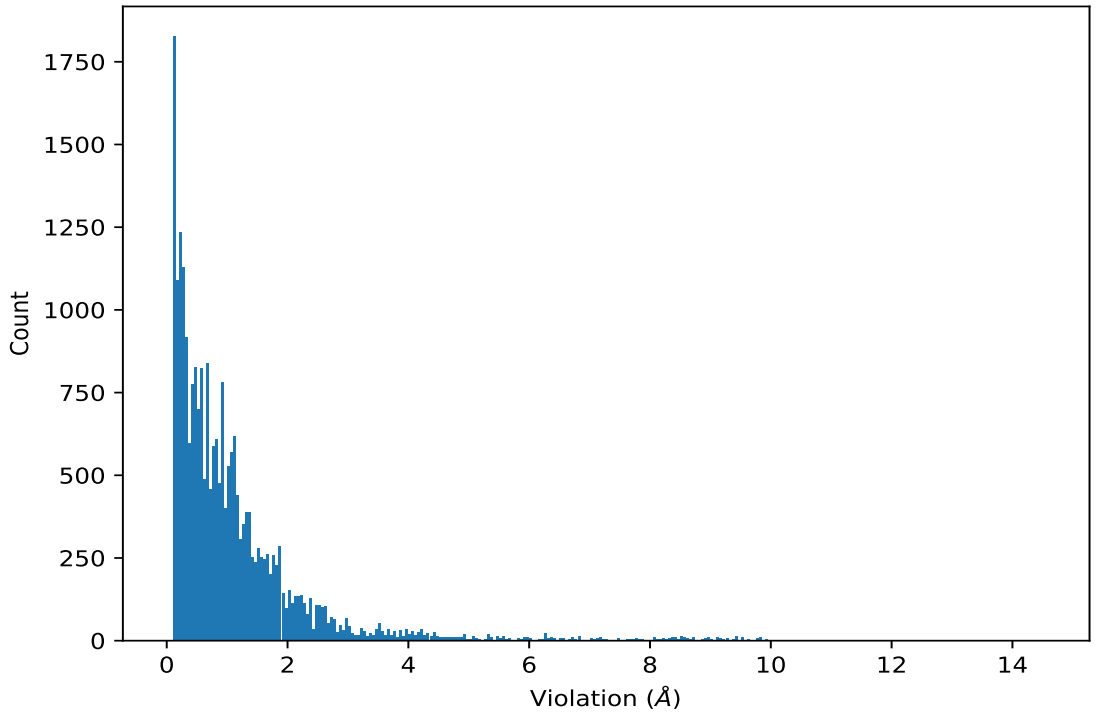
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1358)	1:55:B:VAL:HG11	1:54:B:LEU:HG	2	0.16	0.05	0.16
(3,1358)	1:55:B:VAL:HG12	1:54:B:LEU:HG	2	0.16	0.05	0.16
(1,175)	1:30:B:GLN:HE22	1:30:B:GLN:HG2	2	0.15	0.01	0.15
(1,1701)	1:12:B:GLU:HA	1:12:B:GLU:HG3	2	0.15	0.03	0.15
(3,997)	1:89:B:GLU:HG3	1:90:B:GLU:HB2	2	0.15	0.0	0.15
(3,877)	1:100:B:HIS:HD2	1:99:B:GLY:H	2	0.14	0.02	0.14
(3,727)	1:114:B:ILE:HG12	1:111:B:ARG:HG2	2	0.13	0.0	0.13
(3,727)	1:114:B:ILE:HG12	1:98:B:LEU:HG	2	0.13	0.0	0.13
(1,737)	1:120:B:ALA:H	1:123:B:LEU:HB2	2	0.12	0.02	0.12
(3,680)	1:63:B:VAL:HB	1:66:B:PHE:HB2	2	0.12	0.02	0.12
(1,993)	1:129:B:GLU:HB3	1:124:B:VAL:HG21	2	0.12	0.01	0.12
(1,993)	1:129:B:GLU:HB3	1:124:B:VAL:HG22	2	0.12	0.01	0.12
(1,993)	1:129:B:GLU:HB3	1:124:B:VAL:HG23	2	0.12	0.01	0.12
(1,2601)	1:14:B:GLU:HA	1:53:B:HIS:HD2	2	0.11	0.01	0.11
(2,5)	1:59:B:LEU:H	1:56:B:GLN:HA	2	0.11	0.01	0.11
(3,1201)	1:73:B:ILE:HB	1:76:B:TRP:H	2	0.11	0.01	0.11
(1,2711)	1:87:B:LEU:HD21	1:101:B:ILE:HA	2	0.11	0.0	0.11
(1,2711)	1:87:B:LEU:HD22	1:101:B:ILE:HA	2	0.11	0.0	0.11
(1,2711)	1:87:B:LEU:HD23	1:101:B:ILE:HA	2	0.11	0.0	0.11
(3,1885)	1:84:B:LEU:HD13	1:84:B:LEU:HB3	2	0.11	0.0	0.11
(3,1885)	1:84:B:LEU:HD12	1:84:B:LEU:HB3	2	0.11	0.0	0.11
(3,1144)	1:76:B:TRP:HD1	1:74:B:VAL:HB	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)
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB1	16	14.51
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB2	16	14.51
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB3	16	14.51
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	7	14.41
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	19	14.2
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	10	13.84
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	2	13.7
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	8	12.91
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	18	12.91
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	13	12.6
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	16	12.57
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	20	11.98
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	12	11.62
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	9	11.51
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	17	11.39
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	14	11.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	5	11.18
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	11	10.87
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	1	10.81
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	4	10.68
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	19	10.56
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	19	10.56
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	19	10.56
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	3	10.46
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	10	10.45
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	10	10.45
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	10	10.45
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	7	10.39
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	7	10.39
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	7	10.39
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	19	10.33
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	19	10.33
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	19	10.33
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	7	10.15
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	7	10.15
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	7	10.15
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	15	10.13
(3,1208)	1:73:B:ILE:HG21	1:88:B:PHE:HB3	12	10.03
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	4	9.94
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	4	9.94
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	4	9.94
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	16	9.94
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	16	9.94
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	16	9.94
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	13	9.85
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	13	9.85
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	13	9.85
(3,1208)	1:73:B:ILE:HG21	1:127:B:ARG:HD3	8	9.84
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	7	9.84
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	7	9.84
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	7	9.84
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	20	9.82
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	20	9.82
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	20	9.82
(1,1868)	1:71:B:THR:HA	1:121:B:LEU:HB2	6	9.79
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	19	9.79
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	19	9.79
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	19	9.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	12	9.76
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	12	9.76
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	12	9.76
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	18	9.69
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	18	9.69
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	18	9.69
(3,1208)	1:73:B:ILE:HG23	1:88:B:PHE:HB3	13	9.64
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	8	9.63
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	8	9.63
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	8	9.63
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	5	9.59
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	5	9.59
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	5	9.59
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	13	9.54
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	13	9.54
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	13	9.54
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	16	9.53
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	16	9.53
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	16	9.53
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	20	9.53
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	20	9.53
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	20	9.53
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	3	9.52
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	3	9.52
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	3	9.52
(3,1208)	1:73:B:ILE:HG22	1:88:B:PHE:HB3	4	9.49
(3,1208)	1:73:B:ILE:HG23	1:88:B:PHE:HB3	20	9.46
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	10	9.44
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	10	9.44
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	10	9.44
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	16	9.41
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	16	9.41
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	16	9.41
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	19	9.41
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	19	9.41
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	19	9.41
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	17	9.41
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	17	9.41
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	17	9.41
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	10	9.4
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	10	9.35
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	10	9.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	10	9.35
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	9	9.35
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	9	9.35
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	9	9.35
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	20	9.3
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	20	9.3
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	20	9.3
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	18	9.28
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	18	9.28
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	18	9.28
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	5	9.26
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	5	9.26
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	5	9.26
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	8	9.26
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	8	9.26
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	8	9.26
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	1	9.24
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	1	9.24
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	1	9.24
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	18	9.21
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	18	9.21
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	18	9.21
(3,1208)	1:73:B:ILE:HG23	1:127:B:ARG:HD2	9	9.19
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	13	9.18
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	13	9.18
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	13	9.18
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	7	9.17
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	7	9.17
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	7	9.17
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	10	9.13
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	10	9.13
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	10	9.13
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	4	9.12
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	4	9.12
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	4	9.12
(1,1824)	1:73:B:ILE:HD13	1:85:B:GLN:HB2	7	9.12
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	4	9.1
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	4	9.1
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	4	9.1
(3,1208)	1:73:B:ILE:HG23	1:88:B:PHE:HB3	2	9.03
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	8	9.0
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	8	9.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	8	9.0
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	2	8.98
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	2	8.98
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	2	8.98
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	10	8.98
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	14	8.97
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	14	8.97
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	14	8.97
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	1	8.97
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	1	8.97
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	1	8.97
(1,1824)	1:73:B:ILE:HD13	1:85:B:GLN:HB2	10	8.96
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	12	8.95
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	12	8.95
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	12	8.95
(3,1208)	1:73:B:ILE:HG21	1:127:B:ARG:HD2	7	8.91
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	9	8.9
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	9	8.9
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	9	8.9
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	15	8.89
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	15	8.89
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	15	8.89
(3,1208)	1:73:B:ILE:HG21	1:127:B:ARG:HD3	19	8.87
(3,1208)	1:73:B:ILE:HG21	1:127:B:ARG:HD2	16	8.86
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	7	8.85
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	20	8.81
(1,1824)	1:73:B:ILE:HD13	1:85:B:GLN:HB2	19	8.81
(3,1204)	1:73:B:ILE:HD13	1:88:B:PHE:HB3	12	8.8
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	5	8.78
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	5	8.78
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	5	8.78
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	7	8.72
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	3	8.72
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	3	8.72
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	3	8.72
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	17	8.72
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	17	8.72
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	17	8.72
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	12	8.71
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	12	8.71
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	12	8.71
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	13	8.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	13	8.65
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	13	8.65
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	4	8.65
(3,1208)	1:73:B:ILE:HG23	1:127:B:ARG:HD2	10	8.61
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	6	8.61
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	6	8.61
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	6	8.61
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	9	8.6
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	9	8.6
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	9	8.6
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	4	8.59
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	1	8.59
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	1	8.59
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	1	8.59
(3,1208)	1:73:B:ILE:HG21	1:127:B:ARG:HD3	5	8.58
(3,1208)	1:73:B:ILE:HG21	1:127:B:ARG:HD2	14	8.57
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	17	8.57
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	17	8.57
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	17	8.57
(1,1824)	1:73:B:ILE:HD11	1:85:B:GLN:HB2	16	8.56
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE2	17	8.56
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	16	8.54
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	16	8.54
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	16	8.54
(3,1204)	1:73:B:ILE:HD13	1:88:B:PHE:HB3	1	8.52
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	6	8.52
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	6	8.52
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	6	8.52
(1,1824)	1:73:B:ILE:HD12	1:85:B:GLN:HB2	4	8.52
(3,1204)	1:73:B:ILE:HD13	1:88:B:PHE:HB3	19	8.51
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	8	8.51
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	8	8.51
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	8	8.51
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	3	8.5
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	3	8.5
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	3	8.5
(3,1208)	1:73:B:ILE:HG23	1:127:B:ARG:HD2	1	8.49
(3,1208)	1:73:B:ILE:HG21	1:127:B:ARG:HD2	18	8.49
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	2	8.49
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	2	8.49
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	2	8.49
(3,1208)	1:73:B:ILE:HG22	1:127:B:ARG:HD2	17	8.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	20	8.45
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	20	8.45
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	20	8.45
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB1	8	8.43
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB2	8	8.43
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB3	8	8.43
(3,1204)	1:73:B:ILE:HD11	1:88:B:PHE:HB3	18	8.42
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	12	8.41
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	12	8.41
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	12	8.41
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	18	8.4
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	4	8.39
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	4	8.39
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	4	8.39
(1,1824)	1:73:B:ILE:HD13	1:85:B:GLN:HB2	20	8.39
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	11	8.37
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	11	8.37
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	11	8.37
(3,1204)	1:73:B:ILE:HD11	1:88:B:PHE:HB3	8	8.35
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	5	8.35
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	5	8.35
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	5	8.35
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	15	8.34
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	15	8.34
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	15	8.34
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	9	8.33
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD11	14	8.32
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD12	14	8.32
(1,538)	1:85:B:GLN:HE21	1:73:B:ILE:HD13	14	8.32
(1,1824)	1:73:B:ILE:HD11	1:85:B:GLN:HB2	8	8.31
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE3	18	8.28
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	17	8.25
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	17	8.25
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	17	8.25
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	6	8.24
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	6	8.24
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	6	8.24
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	18	8.23
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	18	8.23
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	18	8.23
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	17	8.21
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	17	8.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	17	8.21
(3,1204)	1:73:B:ILE:HD11	1:88:B:PHE:HB3	16	8.19
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	1	8.18
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	1	8.18
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	1	8.18
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	3	8.14
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	3	8.14
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	3	8.14
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	13	8.12
(3,1208)	1:73:B:ILE:HG21	1:88:B:PHE:HB3	11	8.11
(1,1824)	1:73:B:ILE:HD12	1:85:B:GLN:HB2	13	8.09
(3,1208)	1:73:B:ILE:HG22	1:127:B:ARG:HD2	3	8.08
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	2	8.08
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	2	8.08
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	2	8.08
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	15	8.08
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	15	8.08
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	15	8.08
(1,1824)	1:73:B:ILE:HD11	1:85:B:GLN:HB2	18	8.08
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	9	8.07
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	9	8.07
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	9	8.07
(3,1208)	1:73:B:ILE:HG23	1:127:B:ARG:HD2	15	8.01
(1,1824)	1:73:B:ILE:HD11	1:85:B:GLN:HB2	12	8.0
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE3	6	8.0
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	2	7.96
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	2	7.96
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	2	7.96
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE3	4	7.9
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HB3	20	7.89
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	5	7.89
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	13	7.89
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	16	7.87
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	16	7.87
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	16	7.87
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	2	7.83
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	2	7.83
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	2	7.83
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	14	7.82
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	14	7.82
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	14	7.82
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	14	7.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	14	7.79
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	14	7.79
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	2	7.78
(1,1824)	1:73:B:ILE:HD13	1:85:B:GLN:HB2	5	7.78
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	15	7.76
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	15	7.76
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	15	7.76
(3,1204)	1:73:B:ILE:HD13	1:88:B:PHE:HB3	5	7.74
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB1	6	7.72
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB2	6	7.72
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB3	6	7.72
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE2	15	7.71
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	19	7.71
(1,1824)	1:73:B:ILE:HD11	1:85:B:GLN:HB2	1	7.69
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	7	7.69
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	7	7.69
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	7	7.69
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HB3	15	7.67
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	11	7.64
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	11	7.64
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	11	7.64
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	2	7.62
(1,1824)	1:73:B:ILE:HD12	1:85:B:GLN:HB2	3	7.58
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	5	7.57
(1,1799)	1:138:B:LEU:HB3	1:136:B:LYS:HE3	3	7.57
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	12	7.55
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	1	7.49
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	11	7.47
(1,1824)	1:73:B:ILE:HD12	1:85:B:GLN:HB2	9	7.47
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	19	7.45
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	19	7.45
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	19	7.45
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	3	7.45
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	20	7.45
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	15	7.43
(1,1840)	1:73:B:ILE:HG21	1:85:B:GLN:HE22	11	7.36
(1,1840)	1:73:B:ILE:HG22	1:85:B:GLN:HE22	11	7.36
(1,1840)	1:73:B:ILE:HG23	1:85:B:GLN:HE22	11	7.36
(1,1824)	1:73:B:ILE:HD11	1:85:B:GLN:HB2	17	7.35
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	3	7.34
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	11	7.29
(3,1208)	1:73:B:ILE:HG21	1:127:B:ARG:HD3	6	7.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:73:B:ILE:HG21	1:85:B:GLN:HE21	6	7.25
(1,1842)	1:73:B:ILE:HG22	1:85:B:GLN:HE21	6	7.25
(1,1842)	1:73:B:ILE:HG23	1:85:B:GLN:HE21	6	7.25
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	3	7.23
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	3	7.23
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	3	7.23
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	18	7.2
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	15	7.19
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	10	7.19
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	10	7.19
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	10	7.19
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	12	7.18
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	18	7.18
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	18	7.18
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	18	7.18
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	17	7.16
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HB3	7	7.15
(1,1824)	1:73:B:ILE:HD11	1:85:B:GLN:HB2	15	7.15
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	8	7.15
(3,1204)	1:73:B:ILE:HD12	1:88:B:PHE:HB3	17	7.14
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	10	7.14
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	12	7.12
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	8	7.12
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	8	7.12
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	8	7.12
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	15	7.11
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	12	7.1
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	15	7.1
(1,1824)	1:73:B:ILE:HD12	1:85:B:GLN:HB2	2	7.1
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	18	7.06
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	18	7.06
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	18	7.06
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	10	7.03
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	10	7.03
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	10	7.03
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	13	7.02
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	13	7.02
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	13	7.02
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	13	7.0
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD2	4	6.98
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	10	6.97
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	16	6.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	8	6.94
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HB3	9	6.93
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	19	6.91
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	6	6.86
(1,825)	1:141:B:SER:H	1:129:B:GLU:HG3	16	6.86
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	7	6.84
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	7	6.84
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	7	6.84
(1,1824)	1:73:B:ILE:HD12	1:85:B:GLN:HB2	6	6.84
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	1	6.84
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	1	6.84
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	1	6.84
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	6	6.81
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	6	6.81
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	6	6.81
(1,1845)	1:73:B:ILE:HD11	1:85:B:GLN:HE22	11	6.81
(1,1845)	1:73:B:ILE:HD12	1:85:B:GLN:HE22	11	6.81
(1,1845)	1:73:B:ILE:HD13	1:85:B:GLN:HE22	11	6.81
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE2	5	6.81
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	3	6.8
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	10	6.8
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	15	6.78
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	5	6.76
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	16	6.75
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	10	6.72
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	10	6.72
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	10	6.72
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	18	6.72
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	18	6.72
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	18	6.72
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	7	6.71
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	7	6.71
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	7	6.71
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	9	6.71
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD2	12	6.69
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB1	5	6.69
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB2	5	6.69
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB3	5	6.69
(1,1824)	1:73:B:ILE:HD12	1:85:B:GLN:HB2	14	6.6
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	15	6.58
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	15	6.58
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	15	6.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	18	6.58
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	18	6.58
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	18	6.58
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HB3	11	6.58
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE2	1	6.58
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	4	6.54
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	7	6.53
(3,1204)	1:73:B:ILE:HD13	1:88:B:PHE:HB3	6	6.52
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	2	6.51
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	1	6.51
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	1	6.51
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	1	6.51
(3,1204)	1:73:B:ILE:HD13	1:88:B:PHE:HB3	14	6.47
(1,1824)	1:73:B:ILE:HD12	1:85:B:GLN:HB2	11	6.46
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	6	6.42
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	6	6.42
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	6	6.42
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	12	6.4
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	12	6.4
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	12	6.4
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	16	6.4
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	16	6.4
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	16	6.4
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HB3	17	6.39
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	7	6.38
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	12	6.38
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	4	6.38
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	4	6.38
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	4	6.38
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	3	6.37
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	8	6.36
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	8	6.36
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	8	6.36
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	2	6.35
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	9	6.33
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	7	6.33
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	7	6.33
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	7	6.33
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	4	6.31
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	4	6.31
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	4	6.31
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	4	6.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	4	6.3
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	4	6.3
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	4	6.29
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	12	6.29
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	12	6.29
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	12	6.29
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	12	6.28
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	12	6.28
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	12	6.28
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	19	6.28
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	19	6.28
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	19	6.28
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	20	6.28
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	20	6.28
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	20	6.28
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	19	6.27
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	19	6.27
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	19	6.27
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	18	6.26
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	18	6.26
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	18	6.26
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	8	6.25
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	8	6.22
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	12	6.21
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	12	6.21
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	12	6.21
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	3	6.19
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	4	6.19
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	4	6.19
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	4	6.19
(3,1204)	1:73:B:ILE:HD13	1:88:B:PHE:HB3	11	6.17
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	20	6.08
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	14	6.07
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD2	2	6.05
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	13	6.04
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE2	15	6.04
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE2	15	6.04
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE2	15	6.04
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	17	6.03
(3,882)	1:11:B:PRO:HG3	1:57:B:MET:HB3	16	6.02
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	6	5.99
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	10	5.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	3	5.98
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	3	5.98
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	3	5.98
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	4	5.97
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD2	14	5.96
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB1	17	5.96
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB2	17	5.96
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB3	17	5.96
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	3	5.94
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	3	5.94
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	3	5.94
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	14	5.94
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	15	5.94
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	15	5.94
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	15	5.94
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	20	5.93
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	3	5.9
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	3	5.9
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	3	5.9
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	5	5.89
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	7	5.88
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	7	5.88
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	7	5.88
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	20	5.84
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	8	5.83
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	8	5.83
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	8	5.83
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	20	5.83
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	20	5.83
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	20	5.83
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG13	7	5.78
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	3	5.74
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	10	5.74
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	12	5.72
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	6	5.69
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	6	5.69
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	6	5.69
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD2	18	5.67
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	2	5.66
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	6	5.66
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	4	5.66
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	4	5.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	4	5.66
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	10	5.62
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	10	5.62
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	10	5.62
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	9	5.61
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	9	5.61
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	9	5.61
(3,882)	1:11:B:PRO:HG3	1:18:B:ARG:HG3	14	5.6
(3,882)	1:11:B:PRO:HG3	1:57:B:MET:HB3	6	5.59
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	15	5.59
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	15	5.59
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	15	5.59
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	15	5.59
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	3	5.59
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	3	5.59
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	3	5.59
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	19	5.58
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	7	5.57
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	20	5.56
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	20	5.56
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	20	5.56
(1,1337)	1:73:B:ILE:HG13	1:81:B:GLU:HB3	17	5.56
(3,882)	1:11:B:PRO:HG3	1:57:B:MET:HB3	19	5.55
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	7	5.52
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD3	20	5.52
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	1	5.51
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	1	5.51
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	1	5.51
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	1	5.5
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	1	5.49
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	1	5.49
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	1	5.49
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	6	5.48
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	15	5.47
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	15	5.47
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	15	5.47
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	9	5.47
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	9	5.47
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	9	5.47
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	13	5.47
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	13	5.47
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	13	5.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	3	5.46
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD2	17	5.46
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	6	5.4
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	6	5.4
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	6	5.4
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	4	5.39
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	19	5.38
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	19	5.38
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	19	5.38
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD2	13	5.37
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	1	5.36
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	14	5.36
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	1	5.36
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	1	5.36
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	1	5.36
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	19	5.35
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	13	5.35
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	13	5.35
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	13	5.35
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	19	5.35
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	19	5.35
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	19	5.35
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	9	5.34
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	13	5.34
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	15	5.34
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	15	5.34
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	15	5.34
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD3	3	5.33
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	8	5.33
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	8	5.33
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	8	5.33
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	3	5.32
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	9	5.32
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	7	5.32
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	1	5.25
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	1	5.25
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	1	5.25
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE2	1	5.25
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE2	1	5.25
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE2	1	5.25
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	10	5.24
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	19	5.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE2	13	5.2
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE2	8	5.18
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD3	11	5.17
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	11	5.17
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	11	5.17
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	11	5.17
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD11	13	5.16
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	9	5.13
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	18	5.13
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	16	5.13
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	16	5.13
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	16	5.13
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	1	5.13
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	16	5.11
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	16	5.11
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	16	5.11
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE2	13	5.1
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE2	13	5.1
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE2	13	5.1
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	2	5.09
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	2	5.09
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	2	5.09
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	10	5.08
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	10	5.08
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	10	5.08
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	13	5.07
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	13	5.07
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	13	5.07
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	13	5.07
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	13	5.04
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	19	5.03
(3,882)	1:11:B:PRO:HG3	1:57:B:MET:HB3	18	5.02
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	18	5.02
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	15	4.99
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	8	4.98
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD2	15	4.98
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	20	4.98
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	11	4.96
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	5	4.94
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	19	4.94
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	19	4.94
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	19	4.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	12	4.94
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	12	4.94
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	12	4.94
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	16	4.93
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	10	4.92
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	12	4.92
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD3	5	4.92
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	11	4.91
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	11	4.91
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	11	4.91
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	16	4.91
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	13	4.91
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	13	4.91
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	13	4.91
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	5	4.91
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	5	4.91
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	5	4.91
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	7	4.89
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	7	4.89
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	7	4.89
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	10	4.89
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	10	4.89
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	10	4.89
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	6	4.88
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	6	4.88
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	6	4.88
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG22	2	4.86
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	12	4.85
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD2	1	4.85
(1,2707)	1:113:B:ARG:HG3	1:127:B:ARG:HD3	19	4.85
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	20	4.83
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	20	4.83
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	20	4.83
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	17	4.83
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	4	4.81
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	4	4.81
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	4	4.81
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	9	4.8
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB1	12	4.8
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB2	12	4.8
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB3	12	4.8
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	5	4.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	5	4.79
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	5	4.79
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	1	4.77
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	1	4.77
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	1	4.77
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	7	4.73
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG22	12	4.71
(3,1191)	1:73:B:ILE:HG23	1:117:B:LYS:HB3	20	4.71
(3,1138)	1:72:B:HIS:HB2	1:117:B:LYS:HB3	16	4.71
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD3	8	4.7
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	9	4.7
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	9	4.7
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	9	4.7
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	18	4.7
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	18	4.7
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	18	4.7
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG23	17	4.68
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	4	4.68
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	9	4.68
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	9	4.68
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	9	4.68
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG23	10	4.67
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE3	19	4.67
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	4	4.65
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD2	10	4.65
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD2	10	4.65
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD2	10	4.65
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	9	4.65
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	16	4.64
(3,882)	1:11:B:PRO:HG3	1:57:B:MET:HB3	1	4.63
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	18	4.63
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	16	4.62
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	16	4.62
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	16	4.62
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	3	4.61
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	3	4.61
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	3	4.61
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	20	4.61
(3,1191)	1:73:B:ILE:HG23	1:117:B:LYS:HB3	13	4.6
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD2	7	4.6
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD2	9	4.59
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG23	18	4.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG23	9	4.57
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	20	4.57
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	20	4.57
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	20	4.57
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	15	4.57
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	20	4.56
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	8	4.55
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	17	4.54
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	17	4.53
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD3	17	4.53
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD3	17	4.53
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD3	17	4.53
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	12	4.53
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	2	4.52
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD2	16	4.52
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	15	4.51
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	11	4.5
(3,1206)	1:73:B:ILE:HD12	1:80:B:GLN:HG2	7	4.49
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	16	4.49
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	15	4.49
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	15	4.49
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	15	4.49
(3,1191)	1:73:B:ILE:HG23	1:117:B:LYS:HB3	9	4.47
(3,325)	1:141:B:SER:H	1:128:B:ARG:HB2	16	4.46
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD3	9	4.46
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD3	9	4.46
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD3	9	4.46
(3,1191)	1:73:B:ILE:HG22	1:117:B:LYS:HB3	3	4.45
(3,882)	1:11:B:PRO:HG3	1:57:B:MET:HB3	20	4.45
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	8	4.45
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	8	4.45
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	8	4.45
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG22	1	4.44
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG23	8	4.44
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG21	13	4.44
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD3	18	4.44
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD3	18	4.44
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD3	18	4.44
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	18	4.44
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	18	4.44
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	18	4.44
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	8	4.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	8	4.44
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	8	4.44
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	7	4.44
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	14	4.43
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	14	4.43
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	14	4.43
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	11	4.42
(3,882)	1:11:B:PRO:HG3	1:57:B:MET:HB3	8	4.41
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	16	4.41
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	10	4.4
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	1	4.4
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	18	4.4
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	19	4.4
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	19	4.4
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	19	4.4
(3,1237)	1:77:B:THR:HG21	1:84:B:LEU:H	5	4.38
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	1	4.38
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG23	15	4.37
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD2	10	4.37
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	11	4.37
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	11	4.37
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	15	4.37
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	16	4.37
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	16	4.37
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	16	4.37
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	17	4.37
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	17	4.37
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	17	4.37
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG21	4	4.34
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	12	4.34
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	14	4.33
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	14	4.33
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	14	4.33
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	18	4.33
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	18	4.33
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	18	4.33
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	8	4.33
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	8	4.33
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	8	4.33
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	4	4.32
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	4	4.32
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	4	4.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	17	4.31
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	17	4.31
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	17	4.31
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	13	4.31
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	13	4.31
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	13	4.31
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	4	4.3
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	4	4.3
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	4	4.3
(3,1237)	1:46:B:THR:HG21	1:53:B:HIS:HE1	11	4.29
(3,1163)	1:40:B:LEU:HD22	1:41:B:ASN:HB3	9	4.29
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	5	4.27
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	5	4.27
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	5	4.27
(3,1191)	1:73:B:ILE:HG22	1:117:B:LYS:HB3	4	4.26
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	13	4.26
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	14	4.26
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	14	4.26
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	14	4.26
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	9	4.26
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	9	4.26
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	9	4.26
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	9	4.26
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD3	7	4.25
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD3	7	4.25
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD3	7	4.25
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	19	4.25
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	19	4.24
(3,1206)	1:73:B:ILE:HD12	1:80:B:GLN:HG2	13	4.23
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	19	4.23
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	2	4.23
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	2	4.23
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	2	4.23
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	5	4.23
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	5	4.23
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	5	4.23
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG13	7	4.22
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	18	4.22
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	3	4.22
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	3	4.22
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	3	4.22
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	11	4.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	11	4.22
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	11	4.22
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE2	5	4.22
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE2	5	4.22
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE2	5	4.22
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE2	17	4.22
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE2	17	4.22
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE2	17	4.22
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	2	4.22
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	18	4.21
(1,1799)	1:138:B:LEU:HB3	1:136:B:LYS:HE3	7	4.21
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	13	4.21
(3,193)	1:85:B:GLN:HE22	1:121:B:LEU:H	11	4.2
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG11	2	4.2
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG12	2	4.2
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG13	2	4.2
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	19	4.2
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	19	4.2
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	19	4.2
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	6	4.2
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG22	3	4.19
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG22	5	4.19
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	7	4.19
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	7	4.19
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	7	4.19
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	17	4.19
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	17	4.19
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	17	4.19
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	8	4.19
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	8	4.19
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	8	4.19
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG22	7	4.18
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	12	4.18
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	12	4.18
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	12	4.18
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	6	4.18
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	6	4.18
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	6	4.18
(3,1191)	1:73:B:ILE:HG23	1:117:B:LYS:HB3	10	4.17
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	7	4.17
(3,1237)	1:46:B:THR:HG21	1:53:B:HIS:HE1	18	4.16
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	18	4.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	20	4.15
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	20	4.15
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	20	4.15
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	3	4.14
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB2	3	4.14
(3,1206)	1:73:B:ILE:HD11	1:80:B:GLN:HG2	15	4.13
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	7	4.13
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD2	3	4.13
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG21	19	4.12
(3,1272)	1:63:B:VAL:HG23	1:64:B:LYS:HD2	18	4.12
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB2	1	4.12
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	8	4.11
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG11	12	4.11
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG12	12	4.11
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG13	12	4.11
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	5	4.11
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	5	4.11
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	5	4.11
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	10	4.11
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	10	4.11
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	10	4.11
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	11	4.1
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	11	4.1
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	11	4.1
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	14	4.1
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	14	4.1
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	14	4.1
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	3	4.09
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	5	4.09
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	5	4.09
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	5	4.09
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	15	4.09
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	15	4.09
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	15	4.09
(3,1272)	1:63:B:VAL:HG22	1:64:B:LYS:HD3	5	4.08
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	7	4.08
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	2	4.08
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	14	4.08
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	1	4.08
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	1	4.08
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	1	4.08
(3,1237)	1:77:B:THR:HG21	1:84:B:LEU:H	10	4.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	17	4.07
(3,1272)	1:63:B:VAL:HG23	1:64:B:LYS:HD3	8	4.06
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	17	4.06
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	4	4.06
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	13	4.05
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	13	4.05
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	13	4.05
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG13	16	4.04
(3,1206)	1:73:B:ILE:HD12	1:80:B:GLN:HG2	11	4.04
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	5	4.03
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	19	4.03
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	19	4.03
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	19	4.03
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	12	4.02
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	12	4.02
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	12	4.02
(3,1237)	1:77:B:THR:HG23	1:84:B:LEU:H	12	4.01
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	19	4.01
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	19	4.01
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	19	4.01
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE3	14	4.01
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	6	4.01
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	19	4.01
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	14	4.0
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	14	4.0
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	14	4.0
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	16	3.99
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	14	3.99
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	2	3.99
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	6	3.99
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	6	3.99
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	6	3.99
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	5	3.98
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	19	3.98
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	19	3.98
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	19	3.98
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	5	3.97
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	13	3.97
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	13	3.97
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	13	3.97
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	20	3.97
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	20	3.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	20	3.97
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG23	14	3.96
(3,1237)	1:46:B:THR:HG21	1:53:B:HIS:HE1	14	3.96
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	4	3.96
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	20	3.96
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	20	3.96
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	20	3.96
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	10	3.96
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	10	3.96
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	10	3.96
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	18	3.96
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	18	3.96
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	18	3.96
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG11	13	3.95
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG12	13	3.95
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG13	13	3.95
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	7	3.95
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	7	3.95
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	7	3.95
(3,1295)	1:60:B:ALA:HA	1:63:B:VAL:HG21	11	3.94
(3,1272)	1:63:B:VAL:HG23	1:64:B:LYS:HD3	14	3.94
(3,866)	1:105:B:ILE:HD12	1:109:B:ARG:HD3	13	3.94
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	17	3.94
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	17	3.94
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	17	3.94
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG12	6	3.93
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	10	3.93
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	10	3.93
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	10	3.93
(3,1272)	1:63:B:VAL:HG23	1:64:B:LYS:HD3	11	3.92
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	13	3.92
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	13	3.92
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	10	3.9
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG11	16	3.9
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG12	16	3.9
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG13	16	3.9
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	15	3.9
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	15	3.9
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	15	3.9
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	11	3.9
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	11	3.9
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	11	3.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	11	3.89
(3,1163)	1:40:B:LEU:HD23	1:45:B:ARG:HD3	4	3.88
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	20	3.88
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	9	3.88
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	9	3.88
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	9	3.88
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	7	3.87
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	7	3.87
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	7	3.87
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	19	3.86
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD3	15	3.86
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD3	15	3.86
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD3	15	3.86
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	14	3.86
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	14	3.86
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	14	3.86
(3,1272)	1:63:B:VAL:HG21	1:64:B:LYS:HD3	20	3.85
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	1	3.85
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	1	3.85
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	1	3.85
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	12	3.85
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	12	3.85
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	12	3.85
(3,1272)	1:63:B:VAL:HG21	1:64:B:LYS:HD3	4	3.83
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	18	3.82
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	18	3.82
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	18	3.82
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	2	3.82
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	2	3.82
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	2	3.82
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG12	8	3.81
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	2	3.81
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	2	3.81
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	2	3.81
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	9	3.8
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	9	3.8
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	9	3.8
(3,1295)	1:60:B:ALA:HA	1:33:B:VAL:HG22	20	3.79
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG13	11	3.79
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG13	17	3.79
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	8	3.79
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	8	3.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	8	3.79
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	5	3.79
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD2	4	3.78
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD2	4	3.78
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD2	4	3.78
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	8	3.77
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	7	3.77
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	7	3.77
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG21	16	3.77
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG22	16	3.77
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG23	16	3.77
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	4	3.77
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	4	3.77
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	4	3.77
(3,1272)	1:63:B:VAL:HG23	1:64:B:LYS:HD3	10	3.76
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG11	2	3.76
(3,1237)	1:46:B:THR:HG21	1:53:B:HIS:HE1	16	3.75
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	11	3.75
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	11	3.75
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	11	3.75
(3,325)	1:141:B:SER:H	1:124:B:VAL:HB	12	3.73
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	12	3.73
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	12	3.73
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	12	3.73
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD3	8	3.72
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD3	8	3.72
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD3	8	3.72
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	8	3.71
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	14	3.71
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	14	3.71
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	14	3.71
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	19	3.7
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	19	3.7
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	4	3.7
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	4	3.7
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	4	3.7
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG13	12	3.69
(3,1206)	1:73:B:ILE:HD12	1:80:B:GLN:HG2	14	3.69
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	1	3.69
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	1	3.69
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	1	3.69
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	19	3.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	19	3.69
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	19	3.69
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	2	3.68
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	2	3.68
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	2	3.68
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	12	3.68
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	7	3.68
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	7	3.68
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	7	3.68
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	20	3.68
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	20	3.68
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	20	3.68
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG11	20	3.67
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG12	20	3.67
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG13	20	3.67
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	6	3.67
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	6	3.67
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	6	3.67
(1,1829)	1:73:B:ILE:HG21	1:114:B:ILE:HG12	6	3.67
(1,1829)	1:73:B:ILE:HG22	1:114:B:ILE:HG12	6	3.67
(1,1829)	1:73:B:ILE:HG23	1:114:B:ILE:HG12	6	3.67
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	1	3.67
(3,689)	1:33:B:VAL:HG21	1:54:B:LEU:HD11	10	3.66
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	18	3.66
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	18	3.66
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	9	3.66
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	9	3.66
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	9	3.66
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	13	3.65
(3,1138)	1:76:B:TRP:HB3	1:105:B:ILE:HG12	6	3.65
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	16	3.65
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	16	3.65
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	16	3.65
(3,689)	1:22:B:LEU:HD21	1:54:B:LEU:HD11	11	3.63
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	9	3.62
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	9	3.62
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	9	3.62
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	13	3.61
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	13	3.61
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	13	3.61
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	5	3.6
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	5	3.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	3	3.6
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	3	3.6
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	3	3.6
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	13	3.6
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG12	5	3.59
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	8	3.59
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	8	3.59
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	8	3.59
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	15	3.59
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	15	3.59
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	15	3.59
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	1	3.59
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	1	3.59
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	1	3.59
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	8	3.59
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	8	3.59
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	8	3.59
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG12	14	3.58
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	12	3.58
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	12	3.58
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	12	3.58
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	14	3.57
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	14	3.57
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	14	3.57
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	14	3.57
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	17	3.57
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	17	3.57
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	17	3.57
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG2	20	3.57
(3,1191)	1:73:B:ILE:HG23	1:117:B:LYS:HB3	2	3.56
(3,325)	1:141:B:SER:H	1:128:B:ARG:HB3	17	3.56
(1,1799)	1:138:B:LEU:HB3	1:136:B:LYS:HE3	11	3.56
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	9	3.56
(3,335)	1:141:B:SER:HB2	1:138:B:LEU:HG	19	3.55
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	9	3.55
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	9	3.55
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	9	3.55
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	10	3.55
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	10	3.55
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	10	3.55
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	10	3.54
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	10	3.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	10	3.54
(3,1272)	1:63:B:VAL:HG21	1:64:B:LYS:HD3	7	3.53
(3,685)	1:84:B:LEU:HD13	1:109:B:ARG:HG2	11	3.53
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	17	3.53
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	17	3.53
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	14	3.53
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	5	3.53
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	5	3.53
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	5	3.53
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	18	3.53
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	18	3.53
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	18	3.53
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	17	3.53
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	17	3.53
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	17	3.53
(3,1272)	1:63:B:VAL:HG23	1:64:B:LYS:HD3	15	3.52
(1,2552)	1:17:B:LEU:HD11	1:40:B:LEU:HG	10	3.52
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	8	3.52
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	8	3.52
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	8	3.52
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	10	3.52
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	10	3.52
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	10	3.52
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	10	3.52
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	10	3.52
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	10	3.52
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	10	3.52
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	10	3.52
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	10	3.52
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	7	3.52
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	7	3.52
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	7	3.52
(3,689)	1:33:B:VAL:HG21	1:54:B:LEU:HD13	6	3.51
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	11	3.51
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	13	3.5
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	8	3.5
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	20	3.5
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	20	3.5
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	20	3.5
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	13	3.5
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	13	3.5
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	13	3.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	20	3.5
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	20	3.5
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	20	3.5
(3,1191)	1:73:B:ILE:HG23	1:117:B:LYS:HB3	1	3.49
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	3	3.49
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	3	3.49
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	3	3.49
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	8	3.49
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	5	3.49
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	5	3.49
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	5	3.49
(3,1272)	1:63:B:VAL:HG21	1:64:B:LYS:HD2	17	3.48
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD11	6	3.48
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG13	4	3.47
(3,1163)	1:40:B:LEU:HD22	1:45:B:ARG:HD3	5	3.47
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	3	3.47
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	3	3.47
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	11	3.47
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	11	3.47
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	11	3.47
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	7	3.47
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	7	3.47
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	7	3.47
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	15	3.47
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	15	3.47
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	15	3.47
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	20	3.47
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	20	3.47
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	20	3.47
(1,2324)	1:131:B:TYR:HB2	1:128:B:ARG:HG2	20	3.46
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD21	17	3.46
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD22	17	3.46
(1,1852)	1:73:B:ILE:HB	1:121:B:LEU:HD23	17	3.46
(1,2552)	1:17:B:LEU:HD13	1:40:B:LEU:HG	11	3.45
(1,2324)	1:131:B:TYR:HB2	1:128:B:ARG:HG2	17	3.45
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	14	3.45
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	14	3.45
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	14	3.45
(3,335)	1:141:B:SER:HB2	1:138:B:LEU:HB3	17	3.44
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	8	3.43
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	8	3.43
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	8	3.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1237)	1:77:B:THR:HG21	1:84:B:LEU:H	9	3.42
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB1	2	3.42
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB2	2	3.42
(1,1782)	1:72:B:HIS:HB2	1:120:B:ALA:HB3	2	3.42
(3,1237)	1:77:B:THR:HG21	1:84:B:LEU:H	7	3.41
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	6	3.41
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	6	3.41
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	6	3.41
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	12	3.41
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	12	3.41
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	12	3.41
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG2	3	3.41
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG2	6	3.41
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB3	10	3.39
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	16	3.39
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	16	3.39
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	16	3.39
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB1	13	3.39
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB2	13	3.39
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB3	13	3.39
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG11	13	3.37
(3,385)	1:82:B:LEU:HD21	1:85:B:GLN:HB3	8	3.37
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	20	3.37
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	20	3.37
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	20	3.37
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	12	3.37
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	12	3.37
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	12	3.37
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	19	3.37
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	19	3.37
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	19	3.37
(3,1237)	1:46:B:THR:HG22	1:53:B:HIS:HE1	17	3.36
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	6	3.36
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	6	3.36
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	6	3.36
(3,1814)	1:67:B:GLN:HB2	1:64:B:LYS:HE2	18	3.34
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	1	3.34
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	1	3.34
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	1	3.34
(3,1887)	1:87:B:LEU:HD23	1:83:B:GLU:HB2	10	3.32
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	6	3.32
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	6	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	9	3.32
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	20	3.32
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	17	3.31
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	6	3.31
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	6	3.31
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	6	3.31
(3,1272)	1:63:B:VAL:HG23	1:68:B:ARG:HG3	6	3.3
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG11	20	3.3
(3,549)	1:124:B:VAL:HG11	1:119:B:LEU:HB2	2	3.3
(3,151)	1:73:B:ILE:H	1:117:B:LYS:HB3	6	3.3
(3,1237)	1:46:B:THR:HG22	1:53:B:HIS:HE1	13	3.29
(3,1206)	1:73:B:ILE:HD13	1:80:B:GLN:HG2	5	3.29
(3,73)	1:36:B:ILE:H	1:17:B:LEU:HD23	2	3.29
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	16	3.29
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	16	3.29
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	14	3.28
(3,1163)	1:40:B:LEU:HD21	1:45:B:ARG:HD3	8	3.28
(3,866)	1:101:B:ILE:HD12	1:89:B:GLU:HG2	12	3.28
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	13	3.28
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	13	3.28
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	13	3.28
(3,1206)	1:73:B:ILE:HD12	1:80:B:GLN:HG2	2	3.27
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	12	3.27
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	12	3.27
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	12	3.27
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE3	5	3.27
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE3	5	3.27
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE3	5	3.27
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	5	3.27
(3,1176)	1:74:B:VAL:HG12	1:84:B:LEU:HD13	7	3.26
(3,549)	1:124:B:VAL:HG13	1:119:B:LEU:HB2	16	3.26
(3,549)	1:124:B:VAL:HG11	1:119:B:LEU:HB2	9	3.25
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	3	3.25
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	3	3.25
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	3	3.25
(3,1191)	1:73:B:ILE:HG22	1:117:B:LYS:HB3	17	3.24
(3,1267)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	3	3.23
(3,1114)	1:82:B:LEU:HD13	1:79:B:ASP:HB3	12	3.23
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG11	3	3.23
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG12	3	3.23
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG13	3	3.23
(3,1176)	1:74:B:VAL:HG13	1:84:B:LEU:HD13	2	3.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	20	3.22
(3,549)	1:124:B:VAL:HG12	1:119:B:LEU:HB2	17	3.22
(3,385)	1:82:B:LEU:HD21	1:85:B:GLN:HB3	20	3.22
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD12	16	3.22
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	3	3.22
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	3	3.22
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	3	3.22
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	5	3.22
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	5	3.22
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	5	3.22
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	10	3.22
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	10	3.22
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	10	3.22
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG11	19	3.21
(3,549)	1:124:B:VAL:HG11	1:119:B:LEU:HB2	4	3.21
(3,385)	1:82:B:LEU:HD23	1:85:B:GLN:HB3	13	3.21
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG11	1	3.21
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG12	1	3.21
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG13	1	3.21
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	15	3.21
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	15	3.21
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	15	3.21
(3,1140)	1:76:B:TRP:HB3	1:83:B:GLU:HB3	12	3.2
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	4	3.2
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	4	3.2
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	4	3.2
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	19	3.2
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	19	3.2
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	19	3.2
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	8	3.2
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	17	3.19
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	17	3.19
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	17	3.19
(3,689)	1:22:B:LEU:HD23	1:54:B:LEU:HD12	18	3.18
(3,549)	1:124:B:VAL:HG11	1:119:B:LEU:HB2	3	3.18
(1,2707)	1:113:B:ARG:HG2	1:127:B:ARG:HD3	6	3.18
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	2	3.18
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	2	3.18
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG2	9	3.18
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG13	10	3.17
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	9	3.17
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	9	3.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	9	3.17
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	17	3.17
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	17	3.17
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	17	3.17
(3,1276)	1:63:B:VAL:HG21	1:66:B:PHE:HZ	16	3.16
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	10	3.15
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	10	3.15
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	10	3.15
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE3	13	3.14
(3,1191)	1:73:B:ILE:HG23	1:117:B:LYS:HB3	15	3.14
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	5	3.14
(1,1599)	1:116:B:ASP:HB3	1:127:B:ARG:HB2	6	3.13
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB1	19	3.13
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB2	19	3.13
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB3	19	3.13
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	19	3.11
(3,385)	1:82:B:LEU:HD22	1:85:B:GLN:HB3	12	3.11
(3,358)	1:98:B:LEU:HD11	1:117:B:LYS:H	5	3.1
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	16	3.1
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	16	3.1
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	16	3.1
(3,1272)	1:63:B:VAL:HG23	1:68:B:ARG:HG3	3	3.09
(3,1237)	1:46:B:THR:HG21	1:53:B:HIS:HE1	20	3.09
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	11	3.09
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	11	3.09
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	11	3.09
(3,1163)	1:40:B:LEU:HD21	1:41:B:ASN:HB3	16	3.08
(3,634)	1:119:B:LEU:HD12	1:88:B:PHE:HZ	16	3.08
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD11	5	3.08
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	16	3.08
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	16	3.08
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	16	3.08
(3,1464)	1:50:B:ILE:HG22	1:49:B:GLN:HG2	16	3.06
(3,73)	1:36:B:ILE:H	1:17:B:LEU:HD22	1	3.06
(1,2552)	1:17:B:LEU:HD11	1:40:B:LEU:HG	6	3.06
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG11	6	3.06
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG12	6	3.06
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG13	6	3.06
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	18	3.06
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	3	3.06
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	3	3.06
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	3	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	2	3.06
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	2	3.06
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	2	3.06
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB3	1	3.05
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	1	3.05
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	10	3.05
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG11	15	3.04
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	9	3.04
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	9	3.04
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	9	3.04
(3,928)	1:97:B:VAL:HG11	1:102:B:MET:HG2	5	3.03
(3,549)	1:124:B:VAL:HG11	1:119:B:LEU:HB2	14	3.03
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	14	3.03
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	14	3.03
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	14	3.03
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	16	3.03
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	13	3.03
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	13	3.03
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	13	3.03
(3,1221)	1:72:B:HIS:HE1	1:73:B:ILE:HG21	7	3.02
(3,1243)	1:70:B:GLY:HA3	1:63:B:VAL:HB	16	3.01
(3,1207)	1:73:B:ILE:HG21	1:109:B:ARG:HD2	16	3.01
(3,549)	1:124:B:VAL:HG13	1:119:B:LEU:HB2	13	3.01
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE3	20	3.01
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE3	12	3.01
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE3	12	3.01
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE3	12	3.01
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	3	3.01
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	3	3.01
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	3	3.01
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	8	3.01
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	8	3.01
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG2	12	3.01
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	19	3.01
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	1	3.01
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	1	3.01
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	1	3.01
(3,1243)	1:70:B:GLY:HA3	1:63:B:VAL:HB	2	3.0
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG11	9	3.0
(3,712)	1:87:B:LEU:HD12	1:103:B:LYS:H	18	3.0
(3,549)	1:124:B:VAL:HG12	1:119:B:LEU:HB2	1	3.0
(3,549)	1:124:B:VAL:HG12	1:119:B:LEU:HB2	15	3.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	1	3.0
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	1	3.0
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	1	3.0
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	18	3.0
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	18	3.0
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	18	3.0
(3,712)	1:87:B:LEU:HD12	1:103:B:LYS:H	1	2.99
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	13	2.99
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	13	2.99
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	13	2.99
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	1	2.99
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	6	2.99
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	6	2.99
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	6	2.99
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	10	2.99
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	10	2.99
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	10	2.99
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB2	19	2.98
(3,549)	1:124:B:VAL:HG13	1:119:B:LEU:HB2	18	2.98
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	8	2.98
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	8	2.98
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	8	2.98
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	4	2.98
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	4	2.98
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	4	2.98
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	12	2.98
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	12	2.98
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	12	2.98
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE3	7	2.97
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE3	19	2.97
(3,685)	1:115:B:VAL:HG11	1:117:B:LYS:HB2	6	2.97
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	3	2.97
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	3	2.97
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	3	2.97
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	16	2.97
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	16	2.97
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	16	2.97
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	16	2.97
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	16	2.97
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	16	2.97
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB1	9	2.97
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB2	9	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB3	9	2.97
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	6	2.97
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	6	2.97
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	6	2.97
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB3	17	2.96
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	4	2.96
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	4	2.96
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	4	2.96
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	13	2.96
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	13	2.96
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	13	2.96
(3,1464)	1:50:B:ILE:HG23	1:49:B:GLN:HG2	14	2.95
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	8	2.95
(3,335)	1:141:B:SER:HB2	1:130:B:LEU:HG	1	2.95
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD11	15	2.95
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	2	2.95
(1,1572)	1:133:B:LYS:HG2	1:134:B:ARG:HD3	9	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	3	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	3	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	3	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	7	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	7	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	7	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	9	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	9	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	9	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	11	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	11	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	11	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	18	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	18	2.95
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	18	2.95
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	16	2.95
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE2	11	2.94
(3,358)	1:98:B:LEU:HD11	1:117:B:LYS:H	18	2.94
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	1	2.94
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	1	2.94
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	1	2.94
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB3	20	2.94
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	11	2.93
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	11	2.93
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	11	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE3	1	2.93
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE3	1	2.93
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE3	1	2.93
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	13	2.93
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	19	2.93
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB2	15	2.92
(3,866)	1:105:B:ILE:HD13	1:109:B:ARG:HD3	10	2.92
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	10	2.92
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	10	2.92
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	10	2.92
(3,1267)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	4	2.91
(3,866)	1:105:B:ILE:HD13	1:109:B:ARG:HD3	16	2.91
(3,866)	1:105:B:ILE:HD12	1:109:B:ARG:HD3	20	2.91
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD12	5	2.91
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	20	2.91
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	20	2.91
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	1	2.91
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	1	2.91
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	1	2.91
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	19	2.91
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	19	2.91
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	19	2.91
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG21	5	2.9
(3,1464)	1:50:B:ILE:HG22	1:49:B:GLN:HG2	18	2.9
(3,1237)	1:46:B:THR:HG22	1:53:B:HIS:HE1	15	2.9
(3,1114)	1:82:B:LEU:HD13	1:79:B:ASP:HB3	17	2.9
(3,712)	1:87:B:LEU:HD13	1:103:B:LYS:H	5	2.9
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD13	9	2.9
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD13	12	2.9
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	14	2.9
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	14	2.9
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	14	2.9
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	14	2.9
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	14	2.9
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	14	2.9
(3,826)	1:105:B:ILE:HG22	1:102:B:MET:HE1	20	2.89
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD11	4	2.89
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	18	2.89
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	18	2.89
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	18	2.89
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB2	7	2.88
(3,1206)	1:73:B:ILE:HD12	1:80:B:GLN:HG2	6	2.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1163)	1:40:B:LEU:HD22	1:45:B:ARG:HD3	13	2.88
(3,908)	1:98:B:LEU:HD12	1:115:B:VAL:HG13	12	2.88
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	16	2.88
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	16	2.88
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	16	2.88
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	6	2.88
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	6	2.88
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	6	2.88
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE2	8	2.88
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE2	8	2.88
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE2	8	2.88
(3,1114)	1:82:B:LEU:HD11	1:79:B:ASP:HB3	20	2.87
(3,675)	1:115:B:VAL:HB	1:130:B:LEU:HB2	11	2.87
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	17	2.87
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	17	2.87
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	17	2.87
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG2	4	2.87
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	2	2.86
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	5	2.86
(1,1371)	1:107:B:ALA:HB1	1:114:B:ILE:HB	9	2.86
(1,1371)	1:107:B:ALA:HB2	1:114:B:ILE:HB	9	2.86
(1,1371)	1:107:B:ALA:HB3	1:114:B:ILE:HB	9	2.86
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	20	2.86
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	20	2.86
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	20	2.86
(3,1243)	1:70:B:GLY:HA2	1:63:B:VAL:HB	10	2.85
(3,690)	1:115:B:VAL:HG22	1:118:B:LEU:HD13	10	2.85
(3,689)	1:33:B:VAL:HG21	1:54:B:LEU:HD11	12	2.85
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG11	6	2.84
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG11	13	2.84
(3,902)	1:98:B:LEU:HD21	1:115:B:VAL:HG11	13	2.84
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	13	2.84
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	13	2.84
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	13	2.84
(3,358)	1:98:B:LEU:HD11	1:113:B:ARG:H	11	2.83
(3,1464)	1:50:B:ILE:HG23	1:49:B:GLN:HG2	3	2.82
(3,1207)	1:73:B:ILE:HG21	1:109:B:ARG:HD2	12	2.82
(3,1074)	1:84:B:LEU:HD12	1:118:B:LEU:HD13	12	2.82
(3,358)	1:98:B:LEU:HD11	1:117:B:LYS:H	14	2.82
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	14	2.82
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	14	2.82
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	14	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB2	18	2.81
(3,1206)	1:73:B:ILE:HD12	1:80:B:GLN:HG2	10	2.81
(3,826)	1:105:B:ILE:HG23	1:102:B:MET:HE3	4	2.81
(3,549)	1:124:B:VAL:HG13	1:119:B:LEU:HB2	12	2.81
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	15	2.81
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	15	2.81
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	15	2.81
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	12	2.81
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	12	2.81
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	12	2.81
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	7	2.81
(3,1207)	1:73:B:ILE:HG22	1:109:B:ARG:HD2	4	2.8
(3,1074)	1:84:B:LEU:HD11	1:118:B:LEU:HD11	6	2.8
(3,839)	1:102:B:MET:HE2	1:103:B:LYS:HE2	20	2.8
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	6	2.8
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	6	2.8
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	6	2.8
(3,1464)	1:50:B:ILE:HG22	1:49:B:GLN:HG2	8	2.79
(3,826)	1:105:B:ILE:HG22	1:102:B:MET:HE3	12	2.79
(3,712)	1:87:B:LEU:HD13	1:103:B:LYS:H	17	2.79
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	12	2.79
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	12	2.79
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	12	2.79
(3,1163)	1:40:B:LEU:HD21	1:45:B:ARG:HD3	12	2.78
(3,1114)	1:82:B:LEU:HD11	1:79:B:ASP:HB3	7	2.78
(3,480)	1:131:B:TYR:HB3	1:130:B:LEU:HB3	6	2.78
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	6	2.78
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	6	2.78
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	6	2.78
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	4	2.78
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	4	2.78
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	4	2.78
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	4	2.78
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	4	2.78
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	4	2.78
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	18	2.78
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	12	2.78
(3,1206)	1:73:B:ILE:HD13	1:80:B:GLN:HG2	1	2.77
(3,866)	1:105:B:ILE:HD12	1:109:B:ARG:HD3	17	2.77
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	2	2.77
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	2	2.77
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	2	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	17	2.77
(1,825)	1:141:B:SER:H	1:129:B:GLU:HG2	6	2.77
(3,1594)	1:38:B:ALA:HB1	1:36:B:ILE:HG21	1	2.76
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG23	13	2.76
(3,1207)	1:73:B:ILE:HG23	1:109:B:ARG:HD2	10	2.76
(3,826)	1:105:B:ILE:HG21	1:87:B:LEU:HG	19	2.76
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	9	2.76
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	9	2.76
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG2	3	2.76
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG2	3	2.76
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG2	3	2.76
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	4	2.76
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	4	2.76
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	4	2.76
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	16	2.76
(3,1272)	1:63:B:VAL:HG22	1:68:B:ARG:HG2	13	2.75
(3,863)	1:105:B:ILE:HD13	1:84:B:LEU:HB2	16	2.75
(3,690)	1:115:B:VAL:HG21	1:118:B:LEU:HD12	15	2.75
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB2	15	2.75
(3,358)	1:98:B:LEU:HD11	1:117:B:LYS:H	9	2.75
(3,335)	1:141:B:SER:HB2	1:130:B:LEU:HG	18	2.75
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD11	8	2.75
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	11	2.75
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	6	2.75
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	6	2.75
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	6	2.75
(1,1572)	1:133:B:LYS:HG3	1:134:B:ARG:HD3	11	2.75
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	7	2.75
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	7	2.75
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	7	2.75
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	7	2.75
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	7	2.75
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	7	2.75
(3,1594)	1:38:B:ALA:HB1	1:36:B:ILE:HG21	9	2.74
(3,1163)	1:40:B:LEU:HD23	1:45:B:ARG:HD3	2	2.74
(3,1163)	1:40:B:LEU:HD23	1:45:B:ARG:HD3	15	2.74
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD11	3	2.74
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	3	2.74
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	3	2.74
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	3	2.74
(1,1843)	1:73:B:ILE:HD11	1:84:B:LEU:H	15	2.74
(1,1843)	1:73:B:ILE:HD12	1:84:B:LEU:H	15	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1843)	1:73:B:ILE:HD13	1:84:B:LEU:H	15	2.74
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	7	2.74
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	7	2.74
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	7	2.74
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	7	2.74
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	7	2.74
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	7	2.74
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	4	2.74
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	4	2.74
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	4	2.74
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	4	2.74
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	4	2.74
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	4	2.74
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	5	2.74
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	9	2.74
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	9	2.74
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	9	2.74
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG23	3	2.73
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG23	15	2.73
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG23	17	2.73
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG21	19	2.73
(3,1114)	1:82:B:LEU:HD11	1:79:B:ASP:HB3	3	2.73
(3,908)	1:98:B:LEU:HD12	1:115:B:VAL:HG12	20	2.73
(3,634)	1:119:B:LEU:HD11	1:88:B:PHE:HZ	3	2.73
(3,480)	1:131:B:TYR:HB3	1:130:B:LEU:HB3	10	2.73
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	2	2.73
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	2	2.73
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	2	2.73
(3,1464)	1:50:B:ILE:HG21	1:49:B:GLN:HG2	20	2.72
(3,1206)	1:73:B:ILE:HD13	1:80:B:GLN:HG2	20	2.72
(3,1180)	1:74:B:VAL:HG22	1:76:B:TRP:HZ3	11	2.72
(3,712)	1:87:B:LEU:HD12	1:103:B:LYS:H	4	2.72
(3,94)	1:49:B:GLN:H	1:63:B:VAL:HG22	6	2.72
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD11	17	2.72
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	4	2.72
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	4	2.72
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	4	2.72
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	10	2.72
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	2	2.72
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	2	2.72
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	2	2.72
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	2	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	2	2.72
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	2	2.72
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	2	2.72
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	2	2.72
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	2	2.72
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB2	3	2.71
(3,1221)	1:72:B:HIS:HE1	1:73:B:ILE:HG23	2	2.71
(3,1207)	1:73:B:ILE:HG23	1:109:B:ARG:HD2	20	2.71
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD12	13	2.71
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	16	2.71
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	16	2.71
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	16	2.71
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	2	2.71
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	13	2.71
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE1	14	2.7
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG21	12	2.7
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG22	18	2.7
(3,1267)	1:136:B:LYS:HG3	1:138:B:LEU:HD22	11	2.7
(3,1140)	1:76:B:TRP:HB3	1:83:B:GLU:HB3	16	2.7
(3,596)	1:84:B:LEU:HD22	1:114:B:ILE:HG13	7	2.7
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG2	11	2.7
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE2	2	2.69
(3,1243)	1:70:B:GLY:HA2	1:63:B:VAL:HB	9	2.69
(3,1163)	1:40:B:LEU:HD21	1:45:B:ARG:HD3	18	2.69
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB3	17	2.69
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	8	2.69
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD12	19	2.69
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	19	2.69
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	19	2.69
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	19	2.69
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	14	2.69
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	14	2.69
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	7	2.69
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	7	2.69
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	7	2.69
(1,1515)	1:97:B:VAL:HG11	1:123:B:LEU:HB3	16	2.69
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	1	2.69
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	4	2.69
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	10	2.69
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	11	2.69
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	18	2.69
(3,1464)	1:50:B:ILE:HG23	1:49:B:GLN:HG2	11	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,826)	1:105:B:ILE:HG22	1:87:B:LEU:HG	17	2.68
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG11	17	2.68
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD11	13	2.68
(3,634)	1:119:B:LEU:HD13	1:88:B:PHE:HZ	2	2.68
(3,634)	1:119:B:LEU:HD11	1:131:B:TYR:HD2	10	2.68
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	3	2.68
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	3	2.68
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	3	2.68
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	13	2.68
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	13	2.68
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	13	2.68
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG3	1	2.68
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG3	1	2.68
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	8	2.68
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	8	2.68
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	15	2.68
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	15	2.68
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	15	2.68
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB3	20	2.67
(3,839)	1:102:B:MET:HE2	1:103:B:LYS:HE2	9	2.67
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	10	2.67
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	10	2.67
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	10	2.67
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	1	2.67
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	6	2.67
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE2	9	2.66
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD13	7	2.66
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	13	2.66
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	13	2.66
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	13	2.66
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	7	2.66
(3,1874)	1:118:B:LEU:HD11	1:84:B:LEU:HG	3	2.65
(3,1594)	1:38:B:ALA:HB1	1:36:B:ILE:HG22	11	2.65
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG13	8	2.65
(3,237)	1:110:B:SER:H	1:105:B:ILE:HD11	9	2.65
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD11	14	2.65
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	20	2.65
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	20	2.65
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	20	2.65
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	13	2.65
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	13	2.65
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	13	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	13	2.65
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	13	2.65
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	13	2.65
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	13	2.65
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	13	2.65
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	13	2.65
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	16	2.65
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	16	2.65
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	16	2.65
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	16	2.65
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	16	2.65
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	16	2.65
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	16	2.65
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	16	2.65
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	16	2.65
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	18	2.65
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	18	2.65
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	18	2.65
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	18	2.65
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	18	2.65
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	18	2.65
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	18	2.65
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	18	2.65
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	18	2.65
(1,1078)	1:124:B:VAL:HG11	1:116:B:ASP:H	5	2.65
(1,1078)	1:124:B:VAL:HG12	1:116:B:ASP:H	5	2.65
(1,1078)	1:124:B:VAL:HG13	1:116:B:ASP:H	5	2.65
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	17	2.65
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	17	2.65
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	17	2.65
(3,1464)	1:50:B:ILE:HG22	1:49:B:GLN:HG2	19	2.64
(3,1240)	1:122:B:GLY:HA2	1:119:B:LEU:HB2	4	2.64
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG12	16	2.64
(3,480)	1:131:B:TYR:HB3	1:130:B:LEU:HB3	16	2.64
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	15	2.64
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	15	2.64
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	15	2.64
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	11	2.64
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	11	2.64
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	11	2.64
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	8	2.64
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	8	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	8	2.64
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	9	2.64
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	9	2.64
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	9	2.64
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG3	2	2.64
(3,1206)	1:73:B:ILE:HD12	1:80:B:GLN:HG2	9	2.63
(3,826)	1:105:B:ILE:HG23	1:87:B:LEU:HG	11	2.63
(3,480)	1:131:B:TYR:HB3	1:130:B:LEU:HB3	1	2.63
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	15	2.63
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	20	2.63
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	20	2.63
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	20	2.63
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	3	2.63
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	3	2.63
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	3	2.63
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	3	2.63
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	3	2.63
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	3	2.63
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	3	2.63
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	3	2.63
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	3	2.63
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	16	2.63
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	16	2.63
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	16	2.63
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	16	2.63
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	16	2.63
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	16	2.63
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	11	2.63
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG23	2	2.62
(3,1176)	1:74:B:VAL:HG11	1:73:B:ILE:HG12	19	2.62
(3,866)	1:105:B:ILE:HD11	1:109:B:ARG:HD3	4	2.62
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	9	2.62
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	9	2.62
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	9	2.62
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	20	2.62
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	20	2.62
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	20	2.62
(3,1464)	1:50:B:ILE:HG23	1:49:B:GLN:HG2	5	2.61
(3,1272)	1:63:B:VAL:HG23	1:68:B:ARG:HG2	19	2.61
(3,1207)	1:73:B:ILE:HG21	1:109:B:ARG:HD2	18	2.61
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	14	2.61
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	17	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,673)	1:115:B:VAL:HB	1:130:B:LEU:HB2	1	2.61
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE2	15	2.61
(3,1464)	1:50:B:ILE:HG22	1:49:B:GLN:HG2	7	2.6
(3,1207)	1:73:B:ILE:HG21	1:109:B:ARG:HD2	19	2.6
(3,826)	1:105:B:ILE:HG22	1:102:B:MET:HE3	5	2.6
(3,674)	1:115:B:VAL:HB	1:118:B:LEU:HD23	6	2.6
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	19	2.6
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	8	2.6
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	8	2.6
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	8	2.6
(3,1887)	1:87:B:LEU:HD23	1:83:B:GLU:HB2	19	2.59
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG23	4	2.59
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG22	7	2.59
(3,1206)	1:73:B:ILE:HD11	1:80:B:GLN:HG2	3	2.59
(3,1176)	1:74:B:VAL:HG12	1:73:B:ILE:HG12	18	2.59
(3,826)	1:105:B:ILE:HG22	1:102:B:MET:HE3	8	2.59
(3,814)	1:107:B:ALA:HB2	1:84:B:LEU:HA	14	2.59
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	9	2.59
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	9	2.59
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	9	2.59
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	18	2.59
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	18	2.59
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	18	2.59
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	12	2.59
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	12	2.59
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	12	2.59
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	3	2.59
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	19	2.59
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	5	2.59
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	7	2.59
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	7	2.59
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	7	2.59
(3,1464)	1:50:B:ILE:HG23	1:49:B:GLN:HG2	6	2.58
(3,1314)	1:37:B:LEU:HD23	1:67:B:GLN:HG2	13	2.58
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	11	2.58
(3,646)	1:17:B:LEU:HG	1:59:B:LEU:HB2	7	2.58
(3,634)	1:119:B:LEU:HD12	1:88:B:PHE:HZ	4	2.58
(3,358)	1:98:B:LEU:HD13	1:113:B:ARG:H	12	2.58
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD12	7	2.58
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	4	2.58
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	4	2.58
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	4	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	4	2.58
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	4	2.58
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	4	2.58
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	4	2.58
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	4	2.58
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	4	2.58
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	4	2.58
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	4	2.58
(3,1887)	1:87:B:LEU:HD23	1:83:B:GLU:HB2	4	2.57
(3,1887)	1:87:B:LEU:HD21	1:83:B:GLU:HB2	20	2.57
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG3	1	2.57
(3,1464)	1:50:B:ILE:HG23	1:49:B:GLN:HG2	12	2.57
(3,634)	1:119:B:LEU:HD11	1:88:B:PHE:HZ	12	2.57
(3,358)	1:98:B:LEU:HD11	1:117:B:LYS:H	4	2.57
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	19	2.57
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	19	2.57
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	19	2.57
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	17	2.57
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	17	2.57
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	17	2.57
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	14	2.57
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	14	2.57
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	14	2.57
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	14	2.57
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	14	2.57
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	14	2.57
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	14	2.57
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	14	2.57
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	14	2.57
(3,1594)	1:38:B:ALA:HB3	1:36:B:ILE:HG23	8	2.56
(3,1207)	1:73:B:ILE:HG22	1:109:B:ARG:HD2	17	2.56
(3,1206)	1:73:B:ILE:HD11	1:80:B:GLN:HG2	18	2.56
(3,826)	1:105:B:ILE:HG21	1:102:B:MET:HE2	15	2.56
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD11	2	2.56
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	13	2.56
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	13	2.56
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	13	2.56
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	6	2.56
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	6	2.56
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	6	2.56
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	3	2.56
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	3	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	3	2.56
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	9	2.56
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	9	2.56
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	9	2.56
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	8	2.56
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	8	2.56
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	8	2.56
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	8	2.56
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	8	2.56
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	8	2.56
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	8	2.56
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	8	2.56
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	8	2.56
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	5	2.56
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	5	2.56
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	5	2.56
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	16	2.56
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	16	2.56
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	16	2.56
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	16	2.56
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	16	2.56
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	16	2.56
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG3	2	2.56
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG3	2	2.56
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	1	2.56
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	1	2.56
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	1	2.56
(3,1163)	1:40:B:LEU:HD21	1:41:B:ASN:HB2	10	2.55
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	14	2.55
(3,1074)	1:84:B:LEU:HD12	1:118:B:LEU:HD13	9	2.55
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	10	2.55
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	10	2.55
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	10	2.55
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	1	2.55
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	1	2.55
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	1	2.55
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	20	2.55
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	20	2.55
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	20	2.55
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	14	2.55
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	14	2.55
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	14	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	16	2.55
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	16	2.55
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	16	2.55
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	11	2.55
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	11	2.55
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	11	2.55
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	11	2.55
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	11	2.55
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	11	2.55
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	11	2.55
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	11	2.55
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	11	2.55
(3,1464)	1:50:B:ILE:HG22	1:49:B:GLN:HG2	13	2.54
(3,1464)	1:50:B:ILE:HG22	1:49:B:GLN:HG2	17	2.54
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	18	2.54
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	18	2.54
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	18	2.54
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	5	2.54
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	5	2.54
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	5	2.54
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	18	2.54
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	18	2.54
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	18	2.54
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	15	2.54
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB2	8	2.53
(3,1206)	1:73:B:ILE:HD13	1:80:B:GLN:HG2	19	2.53
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	9	2.53
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	10	2.53
(3,358)	1:98:B:LEU:HD13	1:117:B:LYS:H	7	2.53
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	4	2.53
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	4	2.53
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	4	2.53
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	12	2.53
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	12	2.53
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	5	2.53
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	5	2.53
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	15	2.53
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	15	2.53
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG3	7	2.52
(3,1321)	1:37:B:LEU:HD23	1:34:B:GLU:H	1	2.52
(3,1314)	1:37:B:LEU:HD22	1:67:B:GLN:HG3	17	2.52
(3,1206)	1:73:B:ILE:HD11	1:80:B:GLN:HG2	16	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,866)	1:105:B:ILE:HD12	1:109:B:ARG:HD3	11	2.52
(3,658)	1:95:B:ASP:HB3	1:132:B:LYS:HB3	1	2.52
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	8	2.52
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	8	2.52
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	8	2.52
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	13	2.52
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	13	2.52
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	13	2.52
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	16	2.52
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	16	2.52
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	16	2.52
(3,1464)	1:50:B:ILE:HG23	1:49:B:GLN:HG2	9	2.51
(3,928)	1:97:B:VAL:HG12	1:95:B:ASP:HB2	3	2.51
(3,839)	1:102:B:MET:HE3	1:103:B:LYS:HE2	14	2.51
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	4	2.51
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	4	2.51
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	4	2.51
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	7	2.51
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	7	2.51
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	7	2.51
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	7	2.51
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	7	2.51
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	7	2.51
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	7	2.51
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	7	2.51
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	7	2.51
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB2	14	2.5
(3,1314)	1:119:B:LEU:HD22	1:129:B:GLU:HG2	11	2.5
(3,1185)	1:73:B:ILE:HD11	1:109:B:ARG:HD3	9	2.5
(3,1035)	1:20:B:LEU:HD13	1:35:B:ALA:HB3	1	2.5
(3,928)	1:97:B:VAL:HG13	1:95:B:ASP:HB2	18	2.5
(3,807)	1:107:B:ALA:HB2	1:74:B:VAL:HG11	17	2.5
(3,358)	1:98:B:LEU:HD12	1:117:B:LYS:H	10	2.5
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	16	2.5
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	16	2.5
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	16	2.5
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	6	2.5
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	6	2.5
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	6	2.5
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	6	2.5
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	6	2.5
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	6	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	6	2.5
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	6	2.5
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	6	2.5
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	3	2.5
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	3	2.5
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	3	2.5
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	10	2.5
(3,1321)	1:37:B:LEU:HD23	1:34:B:GLU:H	11	2.49
(3,1163)	1:40:B:LEU:HD22	1:41:B:ASN:HB2	14	2.49
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	2	2.49
(3,928)	1:97:B:VAL:HG13	1:95:B:ASP:HB2	2	2.49
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	8	2.49
(3,693)	1:22:B:LEU:HD23	1:18:B:ARG:HG3	14	2.49
(3,689)	1:33:B:VAL:HG23	1:54:B:LEU:HD11	17	2.49
(3,673)	1:115:B:VAL:HB	1:130:B:LEU:HB2	4	2.49
(3,634)	1:119:B:LEU:HD12	1:88:B:PHE:HZ	18	2.49
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	10	2.49
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG11	2	2.49
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG12	2	2.49
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG13	2	2.49
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	12	2.49
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	12	2.49
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	12	2.49
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	12	2.49
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	12	2.49
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	12	2.49
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	12	2.49
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	12	2.49
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	12	2.49
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	14	2.49
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB3	6	2.48
(3,480)	1:131:B:TYR:HB3	1:130:B:LEU:HB3	15	2.48
(3,380)	1:130:B:LEU:HG	1:129:B:GLU:HG2	7	2.48
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD3	20	2.48
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	11	2.48
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	11	2.48
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	11	2.48
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG2	4	2.48
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG2	4	2.48
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG2	4	2.48
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	1	2.48
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE3	12	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG23	14	2.47
(3,902)	1:98:B:LEU:HD21	1:115:B:VAL:HG12	20	2.47
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	3	2.47
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	3	2.47
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	3	2.47
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	3	2.47
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	12	2.47
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	12	2.47
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	12	2.47
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	3	2.47
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	3	2.47
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	3	2.47
(1,1822)	1:74:B:VAL:HG22	1:75:B:LEU:HG	7	2.47
(1,1138)	1:121:B:LEU:HD13	1:85:B:GLN:HB2	5	2.47
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	8	2.47
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	8	2.47
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	8	2.47
(3,1464)	1:50:B:ILE:HG21	1:49:B:GLN:HG2	15	2.46
(3,815)	1:106:B:THR:HG22	1:84:B:LEU:H	3	2.46
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	15	2.46
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	15	2.46
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	15	2.46
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	9	2.46
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	9	2.46
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	9	2.46
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	9	2.46
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	9	2.46
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	9	2.46
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	9	2.46
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	9	2.46
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	9	2.46
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	20	2.46
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	20	2.46
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	20	2.46
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	20	2.46
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	20	2.46
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	20	2.46
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	20	2.46
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	20	2.46
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	20	2.46
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE3	17	2.45
(3,826)	1:105:B:ILE:HG23	1:102:B:MET:HE1	3	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,743)	1:114:B:ILE:HD13	1:104:B:ASN:H	19	2.45
(3,685)	1:84:B:LEU:HD13	1:117:B:LYS:HB2	5	2.45
(3,634)	1:119:B:LEU:HD13	1:88:B:PHE:HZ	14	2.45
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	10	2.45
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	10	2.45
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	18	2.45
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	18	2.45
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	18	2.45
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	16	2.45
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	16	2.45
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	16	2.45
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	17	2.45
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	17	2.45
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	17	2.45
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	16	2.45
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	16	2.45
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	16	2.45
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	1	2.45
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	1	2.45
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	1	2.45
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	1	2.45
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	1	2.45
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	1	2.45
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	1	2.45
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	1	2.45
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	1	2.45
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	6	2.45
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	6	2.45
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	6	2.45
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE1	1	2.44
(3,1594)	1:38:B:ALA:HB1	1:36:B:ILE:HG21	6	2.44
(3,1419)	1:52:B:HIS:HD2	1:69:B:LYS:HB2	10	2.44
(3,1035)	1:20:B:LEU:HD13	1:35:B:ALA:HB3	16	2.44
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD13	8	2.44
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	13	2.44
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	7	2.44
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	7	2.44
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE2	17	2.43
(3,1464)	1:50:B:ILE:HG21	1:49:B:GLN:HG2	10	2.43
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG12	16	2.43
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG11	2	2.43
(3,1035)	1:20:B:LEU:HD12	1:35:B:ALA:HB3	7	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	2	2.43
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD2	15	2.43
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	15	2.43
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	15	2.43
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	15	2.43
(3,1646)	1:89:B:GLU:HG2	1:97:B:VAL:HG22	3	2.42
(3,1240)	1:122:B:GLY:HA2	1:119:B:LEU:HB2	5	2.42
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	6	2.42
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	3	2.42
(3,634)	1:119:B:LEU:HD13	1:88:B:PHE:HZ	13	2.42
(3,380)	1:130:B:LEU:HG	1:129:B:GLU:HG2	11	2.42
(3,1180)	1:74:B:VAL:HG21	1:76:B:TRP:HZ3	5	2.41
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	15	2.41
(3,928)	1:97:B:VAL:HG12	1:95:B:ASP:HB2	1	2.41
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD21	4	2.41
(1,1572)	1:133:B:LYS:HG3	1:134:B:ARG:HD2	17	2.41
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD2	1	2.41
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	8	2.41
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	8	2.41
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	12	2.41
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	12	2.41
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	12	2.41
(3,673)	1:115:B:VAL:HB	1:130:B:LEU:HB2	10	2.4
(3,380)	1:130:B:LEU:HG	1:129:B:GLU:HG3	18	2.4
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD22	2	2.4
(3,94)	1:49:B:GLN:H	1:63:B:VAL:HG22	20	2.4
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	1	2.4
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	11	2.4
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	11	2.4
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	11	2.4
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG2	20	2.4
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG2	20	2.4
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG2	20	2.4
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	9	2.4
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	2	2.4
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE3	18	2.39
(3,1682)	1:28:B:GLU:HB2	1:27:B:VAL:HG22	9	2.39
(3,1464)	1:50:B:ILE:HG23	1:49:B:GLN:HG2	1	2.39
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	5	2.39
(3,1140)	1:76:B:TRP:HB3	1:85:B:GLN:HB2	11	2.39
(3,928)	1:97:B:VAL:HG13	1:95:B:ASP:HB2	11	2.39
(3,839)	1:102:B:MET:HE3	1:103:B:LYS:HE2	6	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,826)	1:105:B:ILE:HG21	1:87:B:LEU:HG	9	2.39
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD12	1	2.39
(3,602)	1:121:B:LEU:HD12	1:85:B:GLN:HG2	8	2.39
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD2	20	2.39
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD2	20	2.39
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD2	20	2.39
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	1	2.39
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	1	2.39
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	1	2.39
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	5	2.39
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	5	2.39
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	5	2.39
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	19	2.39
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	19	2.39
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	19	2.39
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	19	2.39
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	19	2.39
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	19	2.39
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	19	2.39
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	19	2.39
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	19	2.39
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE1	10	2.38
(3,1163)	1:40:B:LEU:HD23	1:45:B:ARG:HD3	6	2.38
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	18	2.38
(3,815)	1:106:B:THR:HG23	1:83:B:GLU:H	4	2.38
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	4	2.38
(3,673)	1:115:B:VAL:HB	1:130:B:LEU:HB2	16	2.38
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	7	2.38
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	7	2.38
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	7	2.38
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	9	2.38
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	4	2.38
(1,1515)	1:97:B:VAL:HG11	1:123:B:LEU:HB3	2	2.38
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	9	2.38
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	9	2.38
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	9	2.38
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	17	2.38
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	17	2.38
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	17	2.38
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	20	2.38
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	20	2.38
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE2	5	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	19	2.37
(3,1207)	1:73:B:ILE:HG21	1:109:B:ARG:HD2	11	2.37
(3,659)	1:116:B:ASP:HB2	1:127:B:ARG:HG2	8	2.37
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	9	2.37
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	17	2.37
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	17	2.37
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	17	2.37
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	11	2.37
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	11	2.37
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	11	2.37
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	19	2.37
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	19	2.37
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	19	2.37
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	3	2.37
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE2	6	2.36
(3,1207)	1:73:B:ILE:HG22	1:109:B:ARG:HD2	14	2.36
(3,1163)	1:40:B:LEU:HD21	1:45:B:ARG:HD3	20	2.36
(3,1140)	1:76:B:TRP:HB3	1:83:B:GLU:HB3	3	2.36
(3,1035)	1:20:B:LEU:HD12	1:35:B:ALA:HB2	11	2.36
(3,866)	1:101:B:ILE:HD11	1:89:B:GLU:HG2	6	2.36
(3,743)	1:114:B:ILE:HD13	1:104:B:ASN:H	18	2.36
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	5	2.36
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	3	2.36
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	3	2.36
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	3	2.36
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	8	2.36
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	8	2.36
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	8	2.36
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	13	2.36
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	13	2.36
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	13	2.36
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	11	2.36
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	11	2.36
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	11	2.36
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	11	2.36
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	10	2.36
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	10	2.36
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	10	2.36
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	10	2.36
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	10	2.36
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	10	2.36
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	6	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	6	2.36
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	6	2.36
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	16	2.36
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	16	2.36
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG21	16	2.35
(3,1140)	1:76:B:TRP:HB3	1:83:B:GLU:HB3	9	2.35
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD23	8	2.35
(3,866)	1:105:B:ILE:HD12	1:109:B:ARG:HD3	19	2.35
(3,634)	1:119:B:LEU:HD13	1:88:B:PHE:HZ	11	2.35
(3,384)	1:40:B:LEU:HD22	1:13:B:GLU:HG2	16	2.35
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG21	11	2.35
(2,57)	1:6:B:ALA:HB1	1:49:B:GLN:HG2	11	2.35
(2,57)	1:6:B:ALA:HB2	1:49:B:GLN:HG2	11	2.35
(2,57)	1:6:B:ALA:HB3	1:49:B:GLN:HG2	11	2.35
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	12	2.35
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	12	2.35
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	12	2.35
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	11	2.35
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	11	2.35
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	11	2.35
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	13	2.35
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	13	2.35
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	13	2.35
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB3	16	2.34
(3,1253)	1:67:B:GLN:HB2	1:66:B:PHE:HE2	12	2.34
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	20	2.34
(3,903)	1:98:B:LEU:HD22	1:130:B:LEU:HA	2	2.34
(3,743)	1:114:B:ILE:HD13	1:104:B:ASN:H	5	2.34
(3,549)	1:124:B:VAL:HG13	1:127:B:ARG:HG2	10	2.34
(3,358)	1:98:B:LEU:HD12	1:117:B:LYS:H	6	2.34
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	5	2.34
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	5	2.34
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	5	2.34
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	7	2.34
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	7	2.34
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	7	2.34
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	6	2.34
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	6	2.34
(1,880)	1:75:B:LEU:HD22	1:76:B:TRP:HE3	15	2.34
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	9	2.34
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD23	15	2.33
(3,1035)	1:20:B:LEU:HD11	1:35:B:ALA:HB1	9	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1035)	1:20:B:LEU:HD12	1:35:B:ALA:HB3	10	2.33
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	7	2.33
(3,659)	1:116:B:ASP:HB2	1:127:B:ARG:HG2	17	2.33
(3,380)	1:130:B:LEU:HG	1:129:B:GLU:HG2	3	2.33
(3,363)	1:40:B:LEU:HD23	1:39:B:HIS:H	20	2.33
(3,335)	1:141:B:SER:HB2	1:130:B:LEU:HG	15	2.33
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	17	2.33
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	17	2.33
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	17	2.33
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	17	2.33
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	17	2.33
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	17	2.33
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	17	2.33
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	17	2.33
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	17	2.33
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	5	2.33
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	5	2.33
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	5	2.33
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	12	2.33
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	12	2.33
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	12	2.33
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	14	2.33
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	14	2.33
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	14	2.33
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	14	2.33
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	14	2.33
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	14	2.33
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	14	2.33
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	14	2.33
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	14	2.33
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	7	2.33
(3,1206)	1:73:B:ILE:HD11	1:80:B:GLN:HG2	8	2.32
(3,1206)	1:73:B:ILE:HD11	1:80:B:GLN:HG2	17	2.32
(3,1186)	1:73:B:ILE:HD11	1:74:B:VAL:HB	18	2.32
(3,1174)	1:74:B:VAL:HG11	1:117:B:LYS:HB3	15	2.32
(3,634)	1:119:B:LEU:HD11	1:88:B:PHE:HZ	17	2.32
(3,622)	1:119:B:LEU:HD12	1:124:B:VAL:HA	18	2.32
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	4	2.32
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	4	2.32
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	4	2.32
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	6	2.32
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD22	6	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	1	2.31
(3,928)	1:97:B:VAL:HG13	1:102:B:MET:HG2	17	2.31
(3,839)	1:102:B:MET:HE1	1:103:B:LYS:HE2	2	2.31
(3,690)	1:115:B:VAL:HG23	1:118:B:LEU:HD13	16	2.31
(3,675)	1:115:B:VAL:HB	1:130:B:LEU:HB2	3	2.31
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB3	7	2.31
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	13	2.31
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	13	2.31
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	13	2.31
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	7	2.31
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	7	2.31
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	7	2.31
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	12	2.31
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	12	2.31
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	12	2.31
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	16	2.31
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	16	2.31
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	16	2.31
(1,880)	1:75:B:LEU:HD22	1:76:B:TRP:HD1	4	2.31
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD3	10	2.3
(3,1188)	1:73:B:ILE:HG23	1:109:B:ARG:HD3	9	2.3
(3,1114)	1:82:B:LEU:HD12	1:79:B:ASP:HB3	6	2.3
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB1	17	2.3
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	19	2.3
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG2	7	2.3
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG2	7	2.3
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG2	7	2.3
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	2	2.3
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	2	2.3
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	2	2.3
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE3	15	2.29
(3,1176)	1:74:B:VAL:HG13	1:73:B:ILE:HG12	4	2.29
(3,1171)	1:74:B:VAL:HG11	1:76:B:TRP:HE1	19	2.29
(3,1035)	1:20:B:LEU:HD12	1:35:B:ALA:HB3	12	2.29
(3,826)	1:105:B:ILE:HG23	1:87:B:LEU:HG	10	2.29
(3,622)	1:119:B:LEU:HD13	1:124:B:VAL:HA	13	2.29
(3,384)	1:40:B:LEU:HD21	1:13:B:GLU:HG3	1	2.29
(3,380)	1:130:B:LEU:HG	1:129:B:GLU:HG3	19	2.29
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	9	2.29
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	9	2.29
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	9	2.29
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	11	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	11	2.29
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	11	2.29
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG2	3	2.29
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG2	3	2.29
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG2	3	2.29
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	15	2.29
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	18	2.29
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	18	2.29
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	18	2.29
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	11	2.29
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	11	2.29
(3,1887)	1:87:B:LEU:HD23	1:83:B:GLU:HB2	18	2.28
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	9	2.28
(3,384)	1:40:B:LEU:HD21	1:13:B:GLU:HG3	7	2.28
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	8	2.28
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	8	2.28
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	8	2.28
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	16	2.28
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	3	2.28
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	3	2.28
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	3	2.28
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	15	2.28
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	15	2.28
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	15	2.28
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	11	2.28
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	11	2.28
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	11	2.28
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	11	2.28
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	11	2.28
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	11	2.28
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	15	2.28
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG23	10	2.27
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	12	2.27
(3,1319)	1:37:B:LEU:HD21	1:66:B:PHE:HE2	1	2.27
(3,1035)	1:20:B:LEU:HD13	1:35:B:ALA:HB1	20	2.27
(3,928)	1:97:B:VAL:HG12	1:102:B:MET:HG2	16	2.27
(3,826)	1:105:B:ILE:HG23	1:102:B:MET:HE2	1	2.27
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	3	2.27
(3,689)	1:33:B:VAL:HG21	1:54:B:LEU:HD13	3	2.27
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB3	11	2.27
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	5	2.27
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	1	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	1	2.27
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	1	2.27
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	3	2.27
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	3	2.27
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	3	2.27
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG2	4	2.27
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG2	4	2.27
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG2	4	2.27
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG2	12	2.27
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG2	12	2.27
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG2	12	2.27
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	6	2.27
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	6	2.27
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	6	2.27
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	18	2.27
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	11	2.27
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	11	2.27
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	11	2.27
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	11	2.27
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	11	2.27
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	11	2.27
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE3	13	2.26
(3,1682)	1:28:B:GLU:HB2	1:27:B:VAL:HG23	10	2.26
(3,1580)	1:22:B:LEU:HD13	1:24:B:ASN:H	17	2.26
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB3	12	2.26
(3,1189)	1:73:B:ILE:HG23	1:113:B:ARG:HB3	1	2.26
(3,1176)	1:74:B:VAL:HG13	1:73:B:ILE:HG12	10	2.26
(3,693)	1:22:B:LEU:HD22	1:18:B:ARG:HG3	3	2.26
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	11	2.26
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	11	2.26
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	11	2.26
(3,1578)	1:98:B:LEU:HD13	1:102:B:MET:H	19	2.25
(3,1206)	1:73:B:ILE:HD12	1:80:B:GLN:HG2	4	2.25
(3,1180)	1:74:B:VAL:HG21	1:76:B:TRP:HZ3	14	2.25
(3,1163)	1:40:B:LEU:HD23	1:45:B:ARG:HD3	3	2.25
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD11	4	2.25
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB1	20	2.25
(3,659)	1:116:B:ASP:HB2	1:127:B:ARG:HG2	20	2.25
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD23	7	2.25
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	12	2.25
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	12	2.25
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	12	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	4	2.25
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	4	2.25
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	4	2.25
(1,880)	1:75:B:LEU:HD22	1:76:B:TRP:HE3	20	2.25
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	19	2.25
(3,1874)	1:118:B:LEU:HD12	1:84:B:LEU:HG	13	2.24
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	4	2.24
(3,902)	1:98:B:LEU:HD23	1:115:B:VAL:HG13	12	2.24
(3,897)	1:98:B:LEU:HD22	1:101:B:ILE:HB	13	2.24
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB2	13	2.24
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	1	2.24
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	7	2.24
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	7	2.24
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	7	2.24
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	4	2.24
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	4	2.24
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	4	2.24
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	11	2.24
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	11	2.24
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	11	2.24
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	14	2.24
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	14	2.24
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	14	2.24
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	14	2.24
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	14	2.24
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	14	2.24
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	7	2.24
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	7	2.24
(1,880)	1:75:B:LEU:HD22	1:76:B:TRP:HD1	18	2.24
(1,880)	1:75:B:LEU:HD21	1:76:B:TRP:HD1	19	2.24
(3,1253)	1:67:B:GLN:HB2	1:66:B:PHE:HE2	1	2.23
(3,1176)	1:74:B:VAL:HG12	1:73:B:ILE:HG12	16	2.23
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	12	2.23
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	17	2.23
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	20	2.23
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG12	20	2.23
(3,634)	1:119:B:LEU:HD13	1:88:B:PHE:HZ	7	2.23
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	6	2.23
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	10	2.23
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	10	2.23
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	10	2.23
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	3	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	3	2.23
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	3	2.23
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	17	2.23
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	5	2.23
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	5	2.23
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	5	2.23
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	5	2.23
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	5	2.23
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	5	2.23
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	5	2.23
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	5	2.23
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	5	2.23
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	5	2.23
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE2	8	2.22
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG11	20	2.22
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	8	2.22
(3,1580)	1:22:B:LEU:HD13	1:24:B:ASN:H	18	2.22
(3,1561)	1:131:B:TYR:HB2	1:132:B:LYS:HG2	16	2.22
(3,689)	1:33:B:VAL:HG21	1:54:B:LEU:HD11	19	2.22
(3,658)	1:95:B:ASP:HB2	1:132:B:LYS:HB2	17	2.22
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB1	12	2.22
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD21	8	2.22
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	5	2.22
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	5	2.22
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	5	2.22
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	8	2.22
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	8	2.22
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	8	2.22
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	1	2.22
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	1	2.22
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	1	2.22
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	1	2.22
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	1	2.22
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	1	2.22
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	1	2.22
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	1	2.22
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	1	2.22
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	8	2.22
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	8	2.22
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	17	2.22
(3,1207)	1:73:B:ILE:HG23	1:80:B:GLN:HG3	13	2.21
(3,743)	1:114:B:ILE:HD12	1:104:B:ASN:H	2	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB2	5	2.21
(3,602)	1:121:B:LEU:HD11	1:85:B:GLN:HG2	16	2.21
(3,385)	1:130:B:LEU:HD22	1:115:B:VAL:HB	4	2.21
(3,380)	1:130:B:LEU:HG	1:129:B:GLU:HG3	17	2.21
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	7	2.21
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	7	2.21
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	7	2.21
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	5	2.21
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	5	2.21
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	5	2.21
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	19	2.21
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	19	2.21
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	19	2.21
(1,1515)	1:97:B:VAL:HG11	1:123:B:LEU:HB3	13	2.21
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	3	2.21
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	3	2.21
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	3	2.21
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	19	2.21
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	19	2.21
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	19	2.21
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG3	2	2.21
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG3	2	2.21
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG3	2	2.21
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	13	2.21
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	13	2.21
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	11	2.21
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	11	2.21
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	11	2.21
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	19	2.21
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	19	2.21
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	19	2.21
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD21	3	2.2
(3,1464)	1:50:B:ILE:HG21	1:49:B:GLN:HG2	2	2.2
(3,1314)	1:37:B:LEU:HD22	1:67:B:GLN:HG3	3	2.2
(3,1240)	1:122:B:GLY:HA2	1:119:B:LEU:HB2	12	2.2
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD21	10	2.2
(3,673)	1:115:B:VAL:HB	1:130:B:LEU:HB2	2	2.2
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB1	18	2.2
(3,622)	1:119:B:LEU:HD11	1:124:B:VAL:HA	12	2.2
(3,494)	1:82:B:LEU:HD21	1:82:B:LEU:HA	6	2.2
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	1	2.2
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	9	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	9	2.2
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	9	2.2
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	18	2.2
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	18	2.2
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	18	2.2
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	2	2.2
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	2	2.2
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	2	2.2
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	12	2.2
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	8	2.2
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	8	2.2
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	8	2.2
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	13	2.2
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	13	2.2
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG3	10	2.2
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG3	10	2.2
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	7	2.2
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HB2	8	2.19
(3,1594)	1:38:B:ALA:HB2	1:36:B:ILE:HG22	20	2.19
(3,1174)	1:74:B:VAL:HG13	1:117:B:LYS:HB3	20	2.19
(3,902)	1:98:B:LEU:HD21	1:115:B:VAL:HG13	8	2.19
(3,693)	1:22:B:LEU:HD22	1:18:B:ARG:HG3	19	2.19
(3,494)	1:82:B:LEU:HD23	1:82:B:LEU:HA	8	2.19
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD11	4	2.19
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	17	2.19
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	17	2.19
(1,1789)	1:76:B:TRP:HB2	1:80:B:GLN:HB3	6	2.19
(1,1515)	1:97:B:VAL:HG11	1:123:B:LEU:HB3	14	2.19
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	17	2.19
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	17	2.19
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	17	2.19
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	9	2.19
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	9	2.19
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	9	2.19
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG3	10	2.19
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG3	10	2.19
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG3	10	2.19
(3,1580)	1:22:B:LEU:HD12	1:24:B:ASN:H	15	2.18
(3,1466)	1:50:B:ILE:HD11	1:34:B:GLU:HG2	6	2.18
(3,1466)	1:50:B:ILE:HD13	1:13:B:GLU:HG3	7	2.18
(3,1272)	1:63:B:VAL:HG22	1:68:B:ARG:HG2	1	2.18
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	18	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	15	2.18
(3,814)	1:107:B:ALA:HB1	1:84:B:LEU:HA	11	2.18
(3,743)	1:114:B:ILE:HD12	1:104:B:ASN:H	1	2.18
(3,622)	1:119:B:LEU:HD12	1:124:B:VAL:HA	4	2.18
(3,494)	1:82:B:LEU:HD22	1:82:B:LEU:HA	16	2.18
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	6	2.18
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	7	2.18
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	7	2.18
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	7	2.18
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	7	2.18
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	15	2.18
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	12	2.18
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	12	2.18
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	12	2.18
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	14	2.18
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	14	2.18
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	14	2.18
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	14	2.18
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	14	2.18
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	14	2.18
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	14	2.18
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	14	2.18
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	14	2.18
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB3	7	2.18
(3,1240)	1:122:B:GLY:HA2	1:119:B:LEU:HB2	8	2.17
(3,1180)	1:74:B:VAL:HG21	1:72:B:HIS:HD2	6	2.17
(3,839)	1:102:B:MET:HE2	1:103:B:LYS:HE2	15	2.17
(3,685)	1:84:B:LEU:HD12	1:109:B:ARG:HG2	18	2.17
(3,634)	1:119:B:LEU:HD11	1:88:B:PHE:HZ	8	2.17
(3,622)	1:119:B:LEU:HD13	1:124:B:VAL:HA	2	2.17
(3,622)	1:119:B:LEU:HD13	1:124:B:VAL:HA	5	2.17
(3,494)	1:82:B:LEU:HD23	1:82:B:LEU:HA	3	2.17
(3,494)	1:59:B:LEU:HD22	1:59:B:LEU:HA	9	2.17
(3,385)	1:130:B:LEU:HD23	1:115:B:VAL:HB	9	2.17
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	6	2.17
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	12	2.17
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	8	2.17
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	8	2.17
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	8	2.17
(1,880)	1:75:B:LEU:HD21	1:76:B:TRP:HD1	13	2.17
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE2	3	2.16
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	15	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	18	2.16
(3,1227)	1:71:B:THR:HB	1:73:B:ILE:HG13	18	2.16
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD12	6	2.16
(3,634)	1:119:B:LEU:HD13	1:88:B:PHE:HZ	6	2.16
(3,494)	1:59:B:LEU:HD21	1:59:B:LEU:HA	12	2.16
(3,494)	1:82:B:LEU:HD23	1:82:B:LEU:HA	15	2.16
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	20	2.16
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	20	2.16
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	20	2.16
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	1	2.16
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	1	2.16
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	1	2.16
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	15	2.16
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	15	2.16
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	11	2.16
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	11	2.16
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	11	2.16
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	6	2.16
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	5	2.16
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	5	2.16
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	5	2.16
(1,992)	1:129:B:GLU:HG3	1:130:B:LEU:HG	2	2.16
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	6	2.16
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG2	20	2.16
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG2	20	2.16
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG2	20	2.16
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	15	2.16
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	15	2.16
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	15	2.16
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	15	2.16
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	15	2.16
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	15	2.16
(1,880)	1:75:B:LEU:HD21	1:76:B:TRP:HD1	16	2.16
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD23	4	2.15
(3,814)	1:107:B:ALA:HB2	1:84:B:LEU:HA	2	2.15
(3,807)	1:107:B:ALA:HB1	1:74:B:VAL:HG12	20	2.15
(3,797)	1:64:B:LYS:HG3	1:65:B:ASP:HB3	10	2.15
(3,494)	1:59:B:LEU:HD22	1:59:B:LEU:HA	10	2.15
(3,494)	1:82:B:LEU:HD22	1:82:B:LEU:HA	13	2.15
(3,494)	1:82:B:LEU:HD23	1:82:B:LEU:HA	20	2.15
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG12	16	2.15
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	14	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	2	2.15
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	2	2.15
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	2	2.15
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	3	2.15
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	3	2.15
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	3	2.15
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	16	2.15
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	16	2.15
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	16	2.15
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	13	2.15
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	13	2.15
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	13	2.15
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	9	2.15
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	9	2.15
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	9	2.15
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	9	2.15
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	9	2.15
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	9	2.15
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	9	2.15
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	9	2.15
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	9	2.15
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG3	18	2.15
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG3	18	2.15
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG3	19	2.15
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG3	19	2.15
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	3	2.14
(3,1575)	1:40:B:LEU:HD13	1:45:B:ARG:HD3	10	2.14
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD2	19	2.14
(3,1186)	1:73:B:ILE:HD11	1:74:B:VAL:HB	16	2.14
(3,550)	1:124:B:VAL:HG12	1:118:B:LEU:HB3	15	2.14
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	18	2.14
(3,94)	1:49:B:GLN:H	1:63:B:VAL:HG21	18	2.14
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	13	2.14
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	13	2.14
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	13	2.14
(2,7)	1:68:B:ARG:H	1:64:B:LYS:HB3	11	2.14
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	2	2.14
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	2	2.14
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	2	2.14
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	13	2.14
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	13	2.14
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	13	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD2	14	2.14
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD2	14	2.14
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD2	14	2.14
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	6	2.14
(1,1515)	1:97:B:VAL:HG12	1:123:B:LEU:HB3	5	2.14
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	1	2.14
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	1	2.14
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	1	2.14
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	3	2.14
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	3	2.14
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	3	2.14
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	8	2.14
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG3	1	2.14
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG3	1	2.14
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG3	1	2.14
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG3	16	2.14
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG3	16	2.14
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG3	16	2.14
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HB2	17	2.13
(3,1237)	1:46:B:THR:HG23	1:53:B:HIS:HE1	3	2.13
(3,1191)	1:73:B:ILE:HG21	1:117:B:LYS:HB3	6	2.13
(3,1163)	1:40:B:LEU:HD23	1:45:B:ARG:HD3	19	2.13
(3,1052)	1:54:B:LEU:HG	1:51:B:ILE:HG22	18	2.13
(3,903)	1:98:B:LEU:HD23	1:130:B:LEU:HA	16	2.13
(3,815)	1:106:B:THR:HG21	1:83:B:GLU:H	19	2.13
(3,693)	1:22:B:LEU:HD21	1:18:B:ARG:HG3	2	2.13
(3,494)	1:82:B:LEU:HD23	1:82:B:LEU:HA	17	2.13
(3,396)	1:136:B:LYS:HE3	1:138:B:LEU:HD22	7	2.13
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	15	2.13
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	15	2.13
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	15	2.13
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	6	2.13
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	6	2.13
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	6	2.13
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	19	2.13
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	19	2.13
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	19	2.13
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG3	19	2.13
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG3	19	2.13
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG3	19	2.13
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	2	2.13
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	2	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	2	2.13
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	2	2.13
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	2	2.13
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	2	2.13
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	2	2.13
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	2	2.13
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	2	2.13
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	15	2.13
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	15	2.13
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	15	2.13
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	15	2.13
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	15	2.13
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	15	2.13
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	20	2.13
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	20	2.13
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	20	2.13
(3,1874)	1:118:B:LEU:HD13	1:84:B:LEU:HG	12	2.12
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	9	2.12
(3,1035)	1:20:B:LEU:HD11	1:35:B:ALA:HB2	19	2.12
(3,693)	1:22:B:LEU:HD22	1:18:B:ARG:HG3	4	2.12
(3,693)	1:22:B:LEU:HD22	1:18:B:ARG:HG3	12	2.12
(3,622)	1:119:B:LEU:HD12	1:124:B:VAL:HA	16	2.12
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD11	20	2.12
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	14	2.12
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	12	2.12
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	12	2.12
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	12	2.12
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	15	2.12
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	15	2.12
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	15	2.12
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	2	2.12
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	2	2.12
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	2	2.12
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	11	2.12
(1,880)	1:75:B:LEU:HD21	1:76:B:TRP:HD1	9	2.12
(3,1580)	1:22:B:LEU:HD13	1:24:B:ASN:H	19	2.11
(3,1575)	1:40:B:LEU:HD11	1:45:B:ARG:HD3	20	2.11
(3,1314)	1:37:B:LEU:HD21	1:67:B:GLN:HG3	7	2.11
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD2	15	2.11
(3,1088)	1:102:B:MET:HA	1:84:B:LEU:HD23	14	2.11
(3,826)	1:105:B:ILE:HG22	1:102:B:MET:HE1	2	2.11
(3,659)	1:95:B:ASP:HB2	1:132:B:LYS:HD2	15	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,646)	1:17:B:LEU:HG	1:59:B:LEU:HB2	4	2.11
(3,634)	1:119:B:LEU:HD12	1:88:B:PHE:HZ	20	2.11
(3,494)	1:59:B:LEU:HD21	1:59:B:LEU:HA	7	2.11
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD12	16	2.11
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	5	2.11
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	5	2.11
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	5	2.11
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	16	2.11
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	16	2.11
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	16	2.11
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG3	18	2.11
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG3	18	2.11
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG3	18	2.11
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE3	8	2.1
(3,1186)	1:73:B:ILE:HD12	1:74:B:VAL:HB	19	2.1
(3,1065)	1:85:B:GLN:HG3	1:89:B:GLU:HB2	8	2.1
(3,1035)	1:20:B:LEU:HD11	1:35:B:ALA:HB1	5	2.1
(3,790)	1:109:B:ARG:HD2	1:84:B:LEU:HD11	13	2.1
(3,693)	1:22:B:LEU:HD22	1:18:B:ARG:HG3	13	2.1
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD11	20	2.1
(3,622)	1:119:B:LEU:HD13	1:124:B:VAL:HA	7	2.1
(3,622)	1:119:B:LEU:HD11	1:124:B:VAL:HA	8	2.1
(3,622)	1:119:B:LEU:HD13	1:124:B:VAL:HA	14	2.1
(3,494)	1:82:B:LEU:HD21	1:82:B:LEU:HA	19	2.1
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	1	2.1
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	2	2.1
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	20	2.1
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	9	2.1
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	9	2.1
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	9	2.1
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	19	2.1
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	14	2.1
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	14	2.1
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	14	2.1
(1,992)	1:129:B:GLU:HG3	1:130:B:LEU:HG	18	2.1
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD2	7	2.09
(3,1176)	1:74:B:VAL:HG13	1:73:B:ILE:HG12	12	2.09
(3,1035)	1:20:B:LEU:HD11	1:35:B:ALA:HB2	13	2.09
(3,1035)	1:20:B:LEU:HD11	1:35:B:ALA:HB3	15	2.09
(3,928)	1:97:B:VAL:HG11	1:95:B:ASP:HB3	9	2.09
(3,743)	1:114:B:ILE:HD13	1:104:B:ASN:H	11	2.09
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	15	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD21	10	2.09
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD3	17	2.09
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	10	2.09
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	10	2.09
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	10	2.09
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	14	2.09
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	14	2.09
(1,880)	1:75:B:LEU:HD22	1:76:B:TRP:HD1	8	2.09
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	14	2.09
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD21	9	2.08
(3,814)	1:107:B:ALA:HB1	1:84:B:LEU:HA	10	2.08
(3,659)	1:116:B:ASP:HB2	1:127:B:ARG:HG2	1	2.08
(3,634)	1:119:B:LEU:HD12	1:88:B:PHE:HZ	19	2.08
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	1	2.08
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	2	2.08
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	2	2.08
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	2	2.08
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	11	2.08
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	11	2.08
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	11	2.08
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD2	11	2.08
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD2	11	2.08
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD2	11	2.08
(1,1515)	1:97:B:VAL:HG11	1:123:B:LEU:HB3	11	2.08
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	13	2.08
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	13	2.08
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	13	2.08
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	9	2.08
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	9	2.08
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	9	2.08
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	9	2.08
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	9	2.08
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	9	2.08
(3,1646)	1:89:B:GLU:HG2	1:97:B:VAL:HG21	17	2.07
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	20	2.07
(3,797)	1:64:B:LYS:HG3	1:65:B:ASP:HB3	15	2.07
(3,743)	1:114:B:ILE:HD11	1:104:B:ASN:H	6	2.07
(3,693)	1:22:B:LEU:HD21	1:18:B:ARG:HG3	17	2.07
(3,658)	1:95:B:ASP:HB2	1:132:B:LYS:HB2	10	2.07
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	13	2.07
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	7	2.07
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	7	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	7	2.07
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	14	2.07
(1,987)	1:130:B:LEU:HD11	1:129:B:GLU:HG3	17	2.07
(1,987)	1:130:B:LEU:HD12	1:129:B:GLU:HG3	17	2.07
(1,987)	1:130:B:LEU:HD13	1:129:B:GLU:HG3	17	2.07
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	11	2.07
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	11	2.07
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	11	2.07
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	11	2.07
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	11	2.07
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	11	2.07
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	11	2.07
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	11	2.07
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	11	2.07
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	3	2.07
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	3	2.07
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	3	2.07
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	3	2.07
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	3	2.07
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	3	2.07
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	3	2.07
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	3	2.07
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	3	2.07
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	3	2.07
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	3	2.07
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	3	2.07
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	9	2.07
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	9	2.07
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG2	14	2.07
(1,617)	1:96:B:ASP:H	1:100:B:HIS:HD2	4	2.07
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD22	10	2.06
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD22	12	2.06
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD22	16	2.06
(3,743)	1:114:B:ILE:HD12	1:104:B:ASN:H	14	2.06
(3,622)	1:119:B:LEU:HD13	1:124:B:VAL:HA	11	2.06
(3,494)	1:59:B:LEU:HD22	1:59:B:LEU:HA	4	2.06
(3,480)	1:131:B:TYR:HB3	1:130:B:LEU:HB3	9	2.06
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	8	2.06
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	7	2.06
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	7	2.06
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	7	2.06
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	12	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	12	2.06
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	12	2.06
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	20	2.06
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	20	2.06
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	20	2.06
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	15	2.06
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	15	2.06
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	15	2.06
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG11	10	2.06
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG12	10	2.06
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG13	10	2.06
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	15	2.06
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	15	2.06
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	15	2.06
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	14	2.06
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	14	2.06
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	14	2.06
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	4	2.06
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	4	2.06
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	4	2.06
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	4	2.06
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	4	2.06
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	17	2.06
(3,1646)	1:89:B:GLU:HG2	1:97:B:VAL:HG23	7	2.05
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	5	2.05
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG12	1	2.05
(3,1114)	1:82:B:LEU:HD12	1:79:B:ASP:HB3	16	2.05
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB1	5	2.05
(3,634)	1:119:B:LEU:HD12	1:88:B:PHE:HZ	9	2.05
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	15	2.05
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	15	2.05
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	15	2.05
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	3	2.05
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	19	2.05
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	19	2.05
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	19	2.05
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	13	2.05
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	13	2.05
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	13	2.05
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	13	2.05
(1,992)	1:129:B:GLU:HG3	1:130:B:LEU:HG	10	2.05
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	11	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	11	2.05
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	14	2.05
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	14	2.05
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD21	8	2.04
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD23	15	2.04
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB3	4	2.04
(3,1186)	1:73:B:ILE:HD12	1:74:B:VAL:HB	4	2.04
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG21	3	2.04
(3,1035)	1:20:B:LEU:HD12	1:35:B:ALA:HB2	18	2.04
(3,693)	1:22:B:LEU:HD23	1:18:B:ARG:HG3	7	2.04
(3,690)	1:115:B:VAL:HG21	1:118:B:LEU:HD11	5	2.04
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD12	7	2.04
(3,371)	1:98:B:LEU:HD11	1:97:B:VAL:HA	19	2.04
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD12	16	2.04
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	16	2.04
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	16	2.04
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	16	2.04
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	10	2.04
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	10	2.04
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	10	2.04
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	10	2.04
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	10	2.04
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	10	2.04
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HB2	14	2.03
(3,1646)	1:89:B:GLU:HG2	1:97:B:VAL:HG23	19	2.03
(3,1466)	1:50:B:ILE:HD12	1:13:B:GLU:HG3	19	2.03
(3,826)	1:105:B:ILE:HG22	1:87:B:LEU:HG	7	2.03
(3,826)	1:105:B:ILE:HG22	1:102:B:MET:HE3	14	2.03
(3,826)	1:105:B:ILE:HG23	1:102:B:MET:HE1	18	2.03
(3,817)	1:101:B:ILE:HD13	1:104:B:ASN:H	10	2.03
(3,814)	1:107:B:ALA:HB1	1:84:B:LEU:HA	15	2.03
(3,622)	1:119:B:LEU:HD12	1:124:B:VAL:HA	20	2.03
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD23	19	2.03
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	18	2.03
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	18	2.03
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	18	2.03
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	9	2.03
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	9	2.03
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	9	2.03
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	3	2.03
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	3	2.03
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	3	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	3	2.03
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	3	2.03
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	3	2.03
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	3	2.03
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	3	2.03
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	3	2.03
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	3	2.03
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	8	2.03
(3,1466)	1:50:B:ILE:HD12	1:13:B:GLU:HG3	17	2.02
(3,1052)	1:54:B:LEU:HG	1:51:B:ILE:HG22	4	2.02
(3,1035)	1:20:B:LEU:HD13	1:35:B:ALA:HB3	8	2.02
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	5	2.02
(3,866)	1:105:B:ILE:HD12	1:109:B:ARG:HD3	18	2.02
(3,815)	1:106:B:THR:HG21	1:83:B:GLU:H	8	2.02
(3,743)	1:114:B:ILE:HD11	1:104:B:ASN:H	20	2.02
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	20	2.02
(3,693)	1:22:B:LEU:HD22	1:18:B:ARG:HG3	1	2.02
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD22	6	2.02
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	18	2.02
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	18	2.02
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	18	2.02
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	17	2.02
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	11	2.02
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	11	2.02
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	11	2.02
(1,1822)	1:74:B:VAL:HG23	1:75:B:LEU:HG	2	2.02
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD3	9	2.02
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	7	2.02
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	7	2.02
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	7	2.02
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	7	2.02
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	7	2.02
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	7	2.02
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	7	2.02
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	7	2.02
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	7	2.02
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG21	12	2.01
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD3	20	2.01
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD3	9	2.01
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD21	12	2.01
(3,1065)	1:85:B:GLN:HG3	1:89:B:GLU:HB2	11	2.01
(3,602)	1:121:B:LEU:HD11	1:85:B:GLN:HG2	18	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,550)	1:124:B:VAL:HG11	1:118:B:LEU:HB3	10	2.01
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	9	2.01
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	16	2.01
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	16	2.01
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	16	2.01
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	9	2.01
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	9	2.01
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	9	2.01
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	19	2.01
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	19	2.01
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	19	2.01
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	11	2.01
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	11	2.01
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	11	2.01
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	14	2.01
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	14	2.01
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	14	2.01
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE3	1	2.0
(3,1580)	1:40:B:LEU:HD11	1:16:B:HIS:HD2	8	2.0
(3,866)	1:101:B:ILE:HD13	1:89:B:GLU:HG2	7	2.0
(3,689)	1:33:B:VAL:HG21	1:54:B:LEU:HD11	13	2.0
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD13	17	2.0
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	13	2.0
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	4	2.0
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	4	2.0
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	4	2.0
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	6	2.0
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	6	2.0
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	6	2.0
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	8	2.0
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	8	2.0
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	8	2.0
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	18	2.0
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	18	2.0
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	18	2.0
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	19	2.0
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	19	2.0
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	19	2.0
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	6	2.0
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	6	2.0
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	6	2.0
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	16	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	16	2.0
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	16	2.0
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	18	2.0
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	18	2.0
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	18	2.0
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	1	2.0
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	1	2.0
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	1	2.0
(1,992)	1:129:B:GLU:HG3	1:130:B:LEU:HG	1	2.0
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	12	1.99
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG21	12	1.99
(3,1315)	1:59:B:LEU:HD13	1:18:B:ARG:HB3	17	1.99
(3,928)	1:97:B:VAL:HG13	1:95:B:ASP:HB2	15	1.99
(3,928)	1:97:B:VAL:HG12	1:95:B:ASP:HB3	19	1.99
(3,815)	1:106:B:THR:HG22	1:83:B:GLU:H	1	1.99
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	11	1.99
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	15	1.99
(3,622)	1:119:B:LEU:HD13	1:124:B:VAL:HA	6	1.99
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	20	1.99
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	20	1.99
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	20	1.99
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	20	1.99
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	20	1.99
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	20	1.99
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	17	1.99
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	17	1.99
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	17	1.99
(1,992)	1:129:B:GLU:HG3	1:130:B:LEU:HG	19	1.99
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	20	1.99
(1,825)	1:141:B:SER:H	1:129:B:GLU:HG2	5	1.99
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	3	1.99
(3,1887)	1:87:B:LEU:HD23	1:83:B:GLU:HB2	7	1.98
(3,1763)	1:17:B:LEU:HD12	1:50:B:ILE:HB	10	1.98
(3,1580)	1:22:B:LEU:HD13	1:24:B:ASN:H	4	1.98
(3,1052)	1:54:B:LEU:HG	1:51:B:ILE:HG22	17	1.98
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB3	12	1.98
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	20	1.98
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD21	18	1.98
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	10	1.98
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	10	1.98
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	10	1.98
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	14	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	14	1.98
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	14	1.98
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	20	1.98
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	20	1.98
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	20	1.98
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	5	1.98
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	5	1.98
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	5	1.98
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	4	1.98
(3,1638)	1:80:B:GLN:HA	1:84:B:LEU:HD22	11	1.97
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD21	18	1.97
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	17	1.97
(3,1580)	1:40:B:LEU:HD12	1:16:B:HIS:HD2	9	1.97
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD2	3	1.97
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	10	1.97
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	19	1.97
(3,928)	1:97:B:VAL:HG12	1:95:B:ASP:HB3	12	1.97
(3,743)	1:114:B:ILE:HD11	1:104:B:ASN:H	13	1.97
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG2	8	1.97
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	11	1.97
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	18	1.97
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	18	1.97
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	18	1.97
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	19	1.97
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	1	1.97
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	1	1.97
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	1	1.97
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	4	1.97
(1,992)	1:129:B:GLU:HG3	1:130:B:LEU:HG	16	1.97
(3,1752)	1:113:B:ARG:HD3	1:74:B:VAL:HG12	7	1.96
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	2	1.96
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB2	2	1.96
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	4	1.96
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD3	14	1.96
(3,1176)	1:74:B:VAL:HG13	1:73:B:ILE:HG12	9	1.96
(3,1114)	1:82:B:LEU:HD11	1:79:B:ASP:HB3	4	1.96
(3,1035)	1:20:B:LEU:HD12	1:35:B:ALA:HB1	4	1.96
(3,815)	1:106:B:THR:HG23	1:83:B:GLU:H	10	1.96
(3,550)	1:124:B:VAL:HG13	1:118:B:LEU:HB3	16	1.96
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	11	1.96
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG11	19	1.96
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG12	19	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG13	19	1.96
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	11	1.96
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	11	1.96
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	11	1.96
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	20	1.96
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	20	1.96
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	20	1.96
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	9	1.96
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	9	1.96
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	9	1.96
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	8	1.96
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	8	1.96
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	8	1.96
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	7	1.96
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	7	1.96
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	7	1.96
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	7	1.96
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	7	1.96
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	7	1.96
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	7	1.96
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	7	1.96
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	7	1.96
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	19	1.96
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD22	17	1.95
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	19	1.95
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG22	17	1.95
(3,814)	1:107:B:ALA:HB3	1:84:B:LEU:HA	8	1.95
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB1	8	1.95
(3,558)	1:84:B:LEU:HD22	1:118:B:LEU:HA	6	1.95
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD13	11	1.95
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD11	13	1.95
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG12	7	1.95
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	4	1.95
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	4	1.95
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	4	1.95
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	19	1.95
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	19	1.95
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	19	1.95
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	13	1.95
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	13	1.95
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	13	1.95
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	3	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	3	1.95
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	3	1.95
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	15	1.95
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	15	1.95
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	15	1.95
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	7	1.95
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	7	1.95
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	7	1.95
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	8	1.95
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	8	1.95
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	8	1.95
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	13	1.95
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	13	1.95
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	13	1.95
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	10	1.95
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	10	1.95
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	10	1.95
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	10	1.95
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	10	1.95
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	10	1.95
(3,1887)	1:87:B:LEU:HD21	1:83:B:GLU:HB2	5	1.94
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE1	20	1.94
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG13	14	1.94
(3,1404)	1:19:B:GLU:HA	1:25:B:LYS:HD2	1	1.94
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	6	1.94
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG11	20	1.94
(3,826)	1:105:B:ILE:HG22	1:102:B:MET:HE1	6	1.94
(3,743)	1:114:B:ILE:HD13	1:104:B:ASN:H	3	1.94
(3,695)	1:63:B:VAL:HG13	1:67:B:GLN:HG3	16	1.94
(3,675)	1:115:B:VAL:HB	1:130:B:LEU:HB2	9	1.94
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB2	14	1.94
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	12	1.94
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	12	1.94
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	12	1.94
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	14	1.94
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	14	1.94
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	14	1.94
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	20	1.94
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	20	1.94
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	20	1.94
(1,880)	1:75:B:LEU:HD23	1:76:B:TRP:HD1	12	1.94
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD23	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1240)	1:122:B:GLY:HA2	1:119:B:LEU:HB2	7	1.93
(3,1240)	1:122:B:GLY:HA2	1:119:B:LEU:HB2	16	1.93
(3,1237)	1:46:B:THR:HG23	1:53:B:HIS:HE1	19	1.93
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD22	1	1.93
(3,999)	1:89:B:GLU:HG2	1:86:B:ARG:HG2	17	1.93
(3,689)	1:33:B:VAL:HG23	1:54:B:LEU:HD13	14	1.93
(3,685)	1:84:B:LEU:HD12	1:117:B:LYS:HB2	10	1.93
(3,634)	1:119:B:LEU:HD12	1:88:B:PHE:HZ	1	1.93
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	10	1.93
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	12	1.93
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	13	1.93
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	15	1.93
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	15	1.93
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	15	1.93
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	12	1.93
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	5	1.93
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	5	1.93
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	5	1.93
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	5	1.93
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	5	1.93
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	5	1.93
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	5	1.93
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	5	1.93
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	5	1.93
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	7	1.93
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	7	1.93
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	7	1.93
(1,880)	1:75:B:LEU:HD23	1:76:B:TRP:HD1	10	1.93
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	3	1.93
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	3	1.93
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	3	1.93
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	6	1.93
(3,1552)	1:43:B:VAL:HG23	1:42:B:THR:H	12	1.92
(3,1419)	1:52:B:HIS:HD2	1:47:B:ARG:HB2	13	1.92
(3,1319)	1:37:B:LEU:HD21	1:66:B:PHE:HE2	18	1.92
(3,1176)	1:74:B:VAL:HG11	1:117:B:LYS:HD2	5	1.92
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD21	2	1.92
(3,815)	1:106:B:THR:HG21	1:84:B:LEU:H	20	1.92
(3,743)	1:114:B:ILE:HD11	1:104:B:ASN:H	9	1.92
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB1	3	1.92
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB3	9	1.92
(3,622)	1:119:B:LEU:HD12	1:124:B:VAL:HA	19	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,272)	1:118:B:LEU:H	1:123:B:LEU:HB3	2	1.92
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD11	8	1.92
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE1	12	1.92
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE2	12	1.92
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	11	1.92
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG21	10	1.92
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG22	10	1.92
(1,2003)	1:29:B:GLY:HA2	1:27:B:VAL:HG23	10	1.92
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	7	1.92
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	7	1.92
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	7	1.92
(3,1207)	1:73:B:ILE:HG21	1:80:B:GLN:HG3	7	1.91
(3,1188)	1:73:B:ILE:HG23	1:109:B:ARG:HD3	2	1.91
(3,1186)	1:73:B:ILE:HD12	1:74:B:VAL:HB	10	1.91
(3,1182)	1:74:B:VAL:HG21	1:109:B:ARG:HB2	15	1.91
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	19	1.91
(3,928)	1:97:B:VAL:HG13	1:95:B:ASP:HB3	14	1.91
(3,814)	1:107:B:ALA:HB2	1:84:B:LEU:HA	17	1.91
(3,549)	1:124:B:VAL:HG11	1:127:B:ARG:HG2	11	1.91
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	19	1.91
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	19	1.91
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	19	1.91
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	11	1.91
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	11	1.91
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	11	1.91
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	11	1.91
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	11	1.91
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	11	1.91
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	11	1.91
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	11	1.91
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	11	1.91
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG11	8	1.91
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG12	8	1.91
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG13	8	1.91
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	3	1.91
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	3	1.91
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	3	1.91
(1,992)	1:129:B:GLU:HG3	1:130:B:LEU:HG	17	1.91
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	5	1.91
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	5	1.91
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD22	1	1.9
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD21	13	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1189)	1:73:B:ILE:HG22	1:113:B:ARG:HB3	4	1.9
(3,1180)	1:74:B:VAL:HG23	1:76:B:TRP:HZ3	9	1.9
(3,817)	1:101:B:ILE:HD13	1:104:B:ASN:H	4	1.9
(3,817)	1:101:B:ILE:HD13	1:104:B:ASN:H	12	1.9
(3,693)	1:22:B:LEU:HD21	1:18:B:ARG:HG3	20	1.9
(3,549)	1:124:B:VAL:HG11	1:127:B:ARG:HG2	7	1.9
(3,335)	1:141:B:SER:HB2	1:138:B:LEU:HG	5	1.9
(3,305)	1:129:B:GLU:H	1:133:B:LYS:HG3	17	1.9
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	19	1.9
(3,263)	1:117:B:LYS:H	1:130:B:LEU:HD21	12	1.9
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	19	1.9
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	18	1.9
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	18	1.9
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	18	1.9
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	17	1.9
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	17	1.9
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	17	1.9
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	17	1.9
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	17	1.9
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	17	1.9
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	17	1.9
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	17	1.9
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	17	1.9
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	11	1.9
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	11	1.9
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	11	1.9
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	2	1.9
(1,1949)	1:62:B:SER:HB3	1:64:B:LYS:HG2	9	1.9
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG2	5	1.9
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG2	5	1.9
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG2	5	1.9
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG11	9	1.9
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG12	9	1.9
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG13	9	1.9
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	7	1.9
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	7	1.9
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	7	1.9
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	12	1.9
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	12	1.9
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	12	1.9
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	4	1.9
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	4	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	4	1.9
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	19	1.9
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	19	1.9
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	19	1.9
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	17	1.9
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	17	1.9
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	17	1.9
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	17	1.9
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	17	1.9
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	17	1.9
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	18	1.9
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	20	1.9
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	18	1.9
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	18	1.9
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	18	1.9
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG21	8	1.89
(3,1276)	1:63:B:VAL:HG22	1:66:B:PHE:HZ	20	1.89
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	17	1.89
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG21	16	1.89
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD13	14	1.89
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	3	1.89
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	3	1.89
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	3	1.89
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	3	1.89
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	3	1.89
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	3	1.89
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	3	1.89
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	3	1.89
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	3	1.89
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	13	1.89
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	13	1.89
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	13	1.89
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	13	1.89
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	13	1.89
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	13	1.89
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	13	1.89
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	13	1.89
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	13	1.89
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	11	1.89
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	5	1.89
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	5	1.89
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	5	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	1	1.89
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	5	1.89
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	5	1.89
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	5	1.89
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	14	1.89
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	14	1.89
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	14	1.89
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	17	1.89
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	17	1.89
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	17	1.89
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	1	1.89
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	1	1.89
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	1	1.89
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	2	1.89
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	2	1.89
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	2	1.89
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	14	1.89
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	14	1.89
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	14	1.89
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	18	1.89
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	18	1.89
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	18	1.89
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	10	1.89
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	10	1.89
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	10	1.89
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	10	1.89
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	10	1.89
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	10	1.89
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	12	1.89
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	12	1.89
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	4	1.89
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	4	1.89
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	4	1.89
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	12	1.89
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	11	1.88
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD2	2	1.88
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD23	2	1.88
(3,743)	1:114:B:ILE:HD11	1:104:B:ASN:H	12	1.88
(3,673)	1:7:B:PRO:HB3	1:6:B:ALA:HB1	14	1.88
(3,673)	1:115:B:VAL:HB	1:130:B:LEU:HB2	18	1.88
(3,480)	1:131:B:TYR:HB3	1:130:B:LEU:HB3	12	1.88
(3,349)	1:33:B:VAL:HG12	1:37:B:LEU:H	6	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	4	1.88
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	4	1.88
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	4	1.88
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	4	1.88
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	4	1.88
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	4	1.88
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	4	1.88
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	4	1.88
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	4	1.88
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	8	1.88
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	8	1.88
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	8	1.88
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	15	1.88
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	15	1.88
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	15	1.88
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE1	14	1.88
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE2	14	1.88
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	10	1.88
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	10	1.88
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	10	1.88
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	6	1.88
(1,1247)	1:87:B:LEU:HD13	1:91:B:PHE:HD1	19	1.88
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	12	1.88
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	12	1.88
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	12	1.88
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	2	1.88
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	2	1.88
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	2	1.88
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	10	1.88
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	10	1.88
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	10	1.88
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	12	1.88
(3,1887)	1:87:B:LEU:HD21	1:83:B:GLU:HB2	11	1.87
(3,1315)	1:59:B:LEU:HD11	1:18:B:ARG:HB3	11	1.87
(3,1314)	1:119:B:LEU:HD23	1:129:B:GLU:HG2	14	1.87
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	5	1.87
(3,1052)	1:54:B:LEU:HG	1:51:B:ILE:HG23	5	1.87
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD22	10	1.87
(3,1012)	1:53:B:HIS:HB2	1:36:B:ILE:HG21	8	1.87
(3,807)	1:107:B:ALA:HB1	1:74:B:VAL:HG13	6	1.87
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG11	3	1.87
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG12	9	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,385)	1:130:B:LEU:HD23	1:115:B:VAL:HB	17	1.87
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD11	8	1.87
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD11	17	1.87
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	10	1.87
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	10	1.87
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	10	1.87
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	17	1.87
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	17	1.87
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	17	1.87
(1,1540)	1:95:B:ASP:HA	1:132:B:LYS:HB2	17	1.87
(1,1247)	1:87:B:LEU:HD12	1:91:B:PHE:HD2	17	1.87
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	18	1.87
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	18	1.87
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	18	1.87
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	16	1.87
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	16	1.87
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	16	1.87
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	18	1.87
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	18	1.87
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	18	1.87
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	18	1.87
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	18	1.87
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	18	1.87
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	18	1.87
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	18	1.87
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	18	1.87
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	10	1.87
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	10	1.87
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	10	1.87
(3,1887)	1:87:B:LEU:HD21	1:83:B:GLU:HB2	2	1.86
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE2	16	1.86
(3,1240)	1:122:B:GLY:HA2	1:119:B:LEU:HB2	9	1.86
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG22	18	1.86
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB3	13	1.86
(3,622)	1:119:B:LEU:HD11	1:124:B:VAL:HA	17	1.86
(3,549)	1:124:B:VAL:HG11	1:127:B:ARG:HG2	8	1.86
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	16	1.86
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG21	10	1.86
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	7	1.86
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	7	1.86
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	7	1.86
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	7	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	7	1.86
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	7	1.86
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	7	1.86
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	7	1.86
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	7	1.86
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG21	3	1.86
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG22	3	1.86
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG23	3	1.86
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD2	7	1.86
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	8	1.86
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	8	1.86
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	8	1.86
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	4	1.86
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	4	1.86
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	4	1.86
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	16	1.86
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	16	1.86
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	16	1.86
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	13	1.86
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	13	1.86
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	13	1.86
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	20	1.86
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	20	1.86
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	20	1.86
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	13	1.86
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	13	1.86
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	13	1.86
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	13	1.86
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	13	1.86
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	13	1.86
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	13	1.86
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	13	1.86
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	13	1.86
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	16	1.86
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	16	1.86
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	16	1.86
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	16	1.86
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	16	1.86
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	16	1.86
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	16	1.86
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	16	1.86
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	16	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	20	1.86
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	13	1.85
(3,1314)	1:37:B:LEU:HD21	1:67:B:GLN:HG3	18	1.85
(3,956)	1:65:B:ASP:HB2	1:63:B:VAL:HG13	19	1.85
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	2	1.85
(3,817)	1:105:B:ILE:HD13	1:76:B:TRP:HE3	8	1.85
(3,685)	1:84:B:LEU:HD13	1:109:B:ARG:HG2	9	1.85
(3,685)	1:84:B:LEU:HD11	1:117:B:LYS:HB2	20	1.85
(3,622)	1:119:B:LEU:HD11	1:124:B:VAL:HA	3	1.85
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	13	1.85
(3,272)	1:118:B:LEU:H	1:123:B:LEU:HB3	3	1.85
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD11	10	1.85
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	11	1.85
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	8	1.85
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	8	1.85
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	8	1.85
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	20	1.85
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	20	1.85
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	20	1.85
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	6	1.85
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	6	1.85
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	6	1.85
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	20	1.85
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	20	1.85
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	20	1.85
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	2	1.85
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	2	1.85
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	2	1.85
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	3	1.85
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	3	1.85
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG3	17	1.85
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG3	17	1.85
(1,880)	1:75:B:LEU:HD22	1:76:B:TRP:HD1	1	1.85
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG11	19	1.84
(3,1207)	1:73:B:ILE:HG23	1:109:B:ARG:HD2	2	1.84
(3,903)	1:98:B:LEU:HD22	1:130:B:LEU:HA	17	1.84
(3,726)	1:114:B:ILE:HG13	1:117:B:LYS:HD3	20	1.84
(3,385)	1:130:B:LEU:HD21	1:115:B:VAL:HB	15	1.84
(3,358)	1:98:B:LEU:HD13	1:117:B:LYS:H	1	1.84
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD11	15	1.84
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	16	1.84
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	16	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	16	1.84
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	19	1.84
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	19	1.84
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	19	1.84
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	2	1.84
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	2	1.84
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	2	1.84
(1,1515)	1:97:B:VAL:HG13	1:123:B:LEU:HB3	19	1.84
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	9	1.84
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	9	1.84
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	9	1.84
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	15	1.84
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	15	1.84
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	15	1.84
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	15	1.84
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	15	1.84
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	15	1.84
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	15	1.84
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	15	1.84
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	15	1.84
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	19	1.84
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	19	1.84
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	19	1.84
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	12	1.84
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	12	1.84
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	12	1.84
(1,992)	1:129:B:GLU:HG2	1:130:B:LEU:HG	9	1.84
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	12	1.84
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	12	1.84
(3,1272)	1:63:B:VAL:HG21	1:68:B:ARG:HG3	12	1.83
(3,817)	1:101:B:ILE:HD11	1:104:B:ASN:H	13	1.83
(3,815)	1:106:B:THR:HG21	1:84:B:LEU:H	11	1.83
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB1	15	1.83
(3,622)	1:119:B:LEU:HD12	1:124:B:VAL:HA	1	1.83
(3,622)	1:119:B:LEU:HD12	1:124:B:VAL:HA	9	1.83
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD12	18	1.83
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	6	1.83
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	9	1.83
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	9	1.83
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	9	1.83
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	9	1.83
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	9	1.83
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	9	1.83
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	9	1.83
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	9	1.83
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	10	1.83
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	10	1.83
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	10	1.83
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	10	1.83
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	10	1.83
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	10	1.83
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	10	1.83
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	10	1.83
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	10	1.83
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	13	1.83
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	13	1.83
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	13	1.83
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	11	1.83
(1,1515)	1:97:B:VAL:HG13	1:123:B:LEU:HB3	10	1.83
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	19	1.83
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	19	1.83
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	19	1.83
(1,1247)	1:87:B:LEU:HD13	1:91:B:PHE:HD2	18	1.83
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	2	1.83
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	2	1.83
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	2	1.83
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	15	1.83
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	15	1.83
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	15	1.83
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	1	1.83
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	1	1.83
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	1	1.83
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	1	1.83
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	1	1.83
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	1	1.83
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	12	1.83
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	12	1.83
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	20	1.83
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	20	1.83
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	14	1.83
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD22	20	1.82
(3,1580)	1:40:B:LEU:HD12	1:16:B:HIS:HD2	5	1.82
(3,1315)	1:59:B:LEU:HD12	1:22:B:LEU:HG	13	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD23	20	1.82
(3,817)	1:105:B:ILE:HD11	1:76:B:TRP:HE3	1	1.82
(3,685)	1:84:B:LEU:HD13	1:117:B:LYS:HB2	17	1.82
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD12	2	1.82
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	7	1.82
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	7	1.82
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	7	1.82
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	1	1.82
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	1	1.82
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	1	1.82
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	14	1.82
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	14	1.82
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	14	1.82
(1,1515)	1:97:B:VAL:HG11	1:123:B:LEU:HB3	18	1.82
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	13	1.82
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	13	1.82
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	13	1.82
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	13	1.82
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	13	1.82
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	13	1.82
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	11	1.82
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	11	1.82
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	11	1.82
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	15	1.82
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	11	1.82
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	11	1.82
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	11	1.82
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	7	1.82
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	17	1.82
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	17	1.82
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	17	1.82
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	17	1.82
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	17	1.82
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	17	1.82
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	17	1.82
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	17	1.82
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	17	1.82
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	1	1.82
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	1	1.82
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	1	1.82
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	1	1.82
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	1	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	1	1.82
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	17	1.82
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE3	4	1.81
(3,1625)	1:36:B:ILE:HG23	1:33:B:VAL:H	11	1.81
(3,1404)	1:19:B:GLU:HA	1:25:B:LYS:HD2	3	1.81
(3,1319)	1:37:B:LEU:HD22	1:66:B:PHE:HE2	16	1.81
(3,1207)	1:73:B:ILE:HG21	1:109:B:ARG:HD2	15	1.81
(3,1052)	1:54:B:LEU:HG	1:51:B:ILE:HG21	19	1.81
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD23	12	1.81
(3,602)	1:121:B:LEU:HD11	1:85:B:GLN:HG2	10	1.81
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	13	1.81
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD13	6	1.81
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	3	1.81
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	18	1.81
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	18	1.81
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	18	1.81
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	4	1.81
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	4	1.81
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	4	1.81
(1,1799)	1:138:B:LEU:HB3	1:136:B:LYS:HE3	10	1.81
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE3	7	1.81
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE3	7	1.81
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE3	7	1.81
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	4	1.81
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	4	1.81
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	4	1.81
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD3	3	1.81
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	2	1.81
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	2	1.81
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	2	1.81
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	2	1.81
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	2	1.81
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	2	1.81
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	18	1.81
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	18	1.81
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	18	1.81
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	18	1.81
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	18	1.81
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	18	1.81
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG3	16	1.81
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG3	16	1.81
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HB2	13	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1566)	1:40:B:LEU:HB3	1:45:B:ARG:HD3	1	1.8
(3,1287)	1:61:B:ASP:HB2	1:64:B:LYS:HB3	5	1.8
(3,1276)	1:63:B:VAL:HG21	1:66:B:PHE:HZ	13	1.8
(3,1176)	1:74:B:VAL:HG13	1:73:B:ILE:HG12	20	1.8
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG23	12	1.8
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD23	1	1.8
(3,1012)	1:53:B:HIS:HB2	1:36:B:ILE:HG21	3	1.8
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG13	14	1.8
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	7	1.8
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	7	1.8
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	1	1.8
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	1	1.8
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	1	1.8
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	19	1.8
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD3	13	1.8
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD3	13	1.8
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD3	13	1.8
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	18	1.8
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	18	1.8
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	18	1.8
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	18	1.8
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	18	1.8
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	18	1.8
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	18	1.8
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	18	1.8
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	18	1.8
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	9	1.8
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	8	1.8
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	8	1.8
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	8	1.8
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	17	1.8
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	17	1.8
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	17	1.8
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	6	1.8
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	6	1.8
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	6	1.8
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	6	1.8
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	6	1.8
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	6	1.8
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	6	1.8
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	6	1.8
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	6	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	2	1.8
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	2	1.8
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	2	1.8
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	2	1.8
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	2	1.8
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	2	1.8
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	9	1.8
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	9	1.8
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	9	1.8
(3,1287)	1:61:B:ASP:HB2	1:64:B:LYS:HB3	18	1.79
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	5	1.79
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD21	11	1.79
(3,956)	1:65:B:ASP:HB2	1:63:B:VAL:HG12	15	1.79
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	1	1.79
(3,825)	1:105:B:ILE:HG21	1:108:B:LYS:HB3	3	1.79
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD12	1	1.79
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	18	1.79
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	8	1.79
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	8	1.79
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	8	1.79
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	14	1.79
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	14	1.79
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	14	1.79
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	14	1.79
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	14	1.79
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	14	1.79
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	14	1.79
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	14	1.79
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	14	1.79
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	17	1.79
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	17	1.79
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	17	1.79
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	15	1.79
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	15	1.79
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	15	1.79
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	7	1.79
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	7	1.79
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	7	1.79
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	7	1.79
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	7	1.79
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	7	1.79
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	7	1.79
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	7	1.79
(1,1515)	1:97:B:VAL:HG12	1:123:B:LEU:HB3	9	1.79
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	9	1.79
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	9	1.79
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	9	1.79
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	13	1.79
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	13	1.79
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	13	1.79
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	5	1.79
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	5	1.79
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	5	1.79
(1,1247)	1:87:B:LEU:HD13	1:91:B:PHE:HD2	4	1.79
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	15	1.79
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	15	1.79
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	15	1.79
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	17	1.79
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	17	1.79
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	17	1.79
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	18	1.79
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	18	1.79
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	18	1.79
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	18	1.79
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	18	1.79
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	18	1.79
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD21	19	1.78
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG21	20	1.78
(3,1392)	1:54:B:LEU:HD13	1:57:B:MET:H	6	1.78
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE1	8	1.78
(3,1176)	1:74:B:VAL:HG12	1:73:B:ILE:HG12	14	1.78
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG22	4	1.78
(3,866)	1:105:B:ILE:HD13	1:109:B:ARG:HD3	8	1.78
(3,817)	1:101:B:ILE:HD11	1:104:B:ASN:H	3	1.78
(3,357)	1:98:B:LEU:HD11	1:114:B:ILE:H	14	1.78
(3,261)	1:117:B:LYS:H	1:123:B:LEU:HB2	6	1.78
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	5	1.78
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	5	1.78
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	5	1.78
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	5	1.78
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	5	1.78
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	5	1.78
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	5	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	5	1.78
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	5	1.78
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	20	1.78
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	20	1.78
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	20	1.78
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	16	1.78
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	16	1.78
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	16	1.78
(1,2282)	1:43:B:VAL:HG12	1:49:B:GLN:HB3	4	1.78
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	3	1.78
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	3	1.78
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	3	1.78
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	20	1.78
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	20	1.78
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	20	1.78
(1,13)	1:6:B:ALA:H	1:8:B:THR:HB	1	1.78
(3,1580)	1:40:B:LEU:HD13	1:16:B:HIS:HD2	12	1.77
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG13	4	1.77
(3,1186)	1:73:B:ILE:HD13	1:74:B:VAL:HB	12	1.77
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	3	1.77
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD21	9	1.77
(3,903)	1:98:B:LEU:HD21	1:130:B:LEU:HA	6	1.77
(3,817)	1:101:B:ILE:HD13	1:104:B:ASN:H	16	1.77
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG11	11	1.77
(3,673)	1:115:B:VAL:HB	1:130:B:LEU:HB2	19	1.77
(3,634)	1:119:B:LEU:HD13	1:88:B:PHE:HZ	5	1.77
(3,358)	1:98:B:LEU:HD13	1:117:B:LYS:H	2	1.77
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD13	7	1.77
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	11	1.77
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	11	1.77
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	11	1.77
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	12	1.77
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	12	1.77
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	12	1.77
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	12	1.77
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	12	1.77
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	12	1.77
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	12	1.77
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	12	1.77
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	12	1.77
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	12	1.77
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	12	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	12	1.77
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	7	1.77
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	7	1.77
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	7	1.77
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	7	1.77
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	7	1.77
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	7	1.77
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	18	1.77
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	18	1.77
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	18	1.77
(3,1764)	1:17:B:LEU:HD13	1:54:B:LEU:HB3	12	1.76
(3,1580)	1:40:B:LEU:HD13	1:16:B:HIS:HD2	2	1.76
(3,1184)	1:74:B:VAL:HG21	1:107:B:ALA:HB1	2	1.76
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG23	1	1.76
(3,1114)	1:82:B:LEU:HD11	1:79:B:ASP:HB3	13	1.76
(3,1114)	1:82:B:LEU:HD13	1:79:B:ASP:HB3	19	1.76
(3,1052)	1:54:B:LEU:HG	1:51:B:ILE:HG22	13	1.76
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD21	9	1.76
(3,494)	1:59:B:LEU:HD22	1:59:B:LEU:HA	1	1.76
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG11	1	1.76
(3,261)	1:117:B:LYS:H	1:123:B:LEU:HB2	5	1.76
(3,237)	1:110:B:SER:H	1:84:B:LEU:HD13	2	1.76
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD22	15	1.76
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD11	20	1.76
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	1	1.76
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	3	1.76
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	3	1.76
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	3	1.76
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	3	1.76
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	3	1.76
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	3	1.76
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	3	1.76
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	3	1.76
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	3	1.76
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	3	1.76
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	3	1.76
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	3	1.76
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	4	1.76
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	4	1.76
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	4	1.76
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	4	1.76
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	4	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	4	1.76
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	4	1.76
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	4	1.76
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	4	1.76
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	14	1.76
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	14	1.76
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	14	1.76
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	14	1.76
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	14	1.76
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	14	1.76
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	14	1.76
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	14	1.76
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	14	1.76
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	9	1.76
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	9	1.76
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	9	1.76
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	4	1.76
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	4	1.76
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	4	1.76
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	10	1.76
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	14	1.76
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	14	1.76
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	14	1.76
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	9	1.76
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	9	1.76
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	9	1.76
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	9	1.76
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	9	1.76
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	9	1.76
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	18	1.76
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	18	1.76
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	18	1.76
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	7	1.76
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	7	1.76
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	7	1.76
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	17	1.76
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	17	1.76
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	17	1.76
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	17	1.76
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	17	1.76
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	17	1.76
(1,900)	1:119:B:LEU:HG	1:129:B:GLU:HG2	15	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	7	1.76
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	7	1.76
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	7	1.76
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	20	1.76
(3,1625)	1:36:B:ILE:HG22	1:33:B:VAL:H	6	1.75
(3,1315)	1:59:B:LEU:HD13	1:18:B:ARG:HB3	7	1.75
(3,1206)	1:73:B:ILE:HD13	1:80:B:GLN:HG2	12	1.75
(3,1035)	1:20:B:LEU:HD11	1:35:B:ALA:HB1	17	1.75
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	5	1.75
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG13	3	1.75
(3,659)	1:95:B:ASP:HB2	1:132:B:LYS:HD2	11	1.75
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD12	9	1.75
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD12	19	1.75
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	15	1.75
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	15	1.75
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	15	1.75
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	15	1.75
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	15	1.75
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	15	1.75
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	15	1.75
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	15	1.75
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	15	1.75
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	18	1.75
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	18	1.75
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	18	1.75
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	18	1.75
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	18	1.75
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	18	1.75
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	18	1.75
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	18	1.75
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	18	1.75
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	19	1.75
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	19	1.75
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	19	1.75
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	3	1.75
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	3	1.75
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	3	1.75
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	1	1.75
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	18	1.75
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	18	1.75
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	18	1.75
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	3	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	3	1.75
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	3	1.75
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	11	1.75
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	11	1.75
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	11	1.75
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	17	1.75
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	17	1.75
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	17	1.75
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	5	1.75
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	5	1.75
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	5	1.75
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	5	1.75
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	5	1.75
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	5	1.75
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	14	1.75
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	5	1.74
(3,1671)	1:32:B:VAL:HG13	1:66:B:PHE:H	3	1.74
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG11	11	1.74
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD23	13	1.74
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD21	6	1.74
(3,862)	1:105:B:ILE:HD13	1:84:B:LEU:HB2	15	1.74
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	19	1.74
(3,817)	1:101:B:ILE:HD13	1:104:B:ASN:H	18	1.74
(3,690)	1:115:B:VAL:HG23	1:118:B:LEU:HD12	18	1.74
(3,673)	1:115:B:VAL:HB	1:130:B:LEU:HB2	9	1.74
(3,357)	1:98:B:LEU:HD11	1:114:B:ILE:H	18	1.74
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	5	1.74
(3,272)	1:118:B:LEU:H	1:123:B:LEU:HB3	4	1.74
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD13	13	1.74
(3,261)	1:117:B:LYS:H	1:123:B:LEU:HB2	11	1.74
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	3	1.74
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	18	1.74
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	16	1.74
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	16	1.74
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	9	1.74
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	9	1.74
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	9	1.74
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	9	1.74
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	9	1.74
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	9	1.74
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	9	1.74
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	9	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	9	1.74
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	12	1.74
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	12	1.74
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	12	1.74
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	12	1.74
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	12	1.74
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	12	1.74
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	12	1.74
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	12	1.74
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	12	1.74
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	19	1.74
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	19	1.74
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	19	1.74
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	19	1.74
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	19	1.74
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	19	1.74
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	19	1.74
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	19	1.74
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	19	1.74
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	16	1.74
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	16	1.74
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	16	1.74
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	9	1.74
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	9	1.74
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	9	1.74
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	10	1.74
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	10	1.74
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	10	1.74
(1,1073)	1:124:B:VAL:HG11	1:119:B:LEU:HA	10	1.74
(1,1073)	1:124:B:VAL:HG12	1:119:B:LEU:HA	10	1.74
(1,1073)	1:124:B:VAL:HG13	1:119:B:LEU:HA	10	1.74
(3,1344)	1:30:B:GLN:HG2	1:38:B:ALA:HB1	6	1.73
(3,1065)	1:85:B:GLN:HG3	1:89:B:GLU:HB2	7	1.73
(3,928)	1:97:B:VAL:HG11	1:95:B:ASP:HB2	20	1.73
(3,541)	1:124:B:VAL:HG21	1:126:B:GLU:HG3	20	1.73
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	7	1.73
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD11	12	1.73
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	4	1.73
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	4	1.73
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	4	1.73
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	9	1.73
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	9	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	9	1.73
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	10	1.73
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	10	1.73
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	10	1.73
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	13	1.73
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	13	1.73
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	13	1.73
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	13	1.73
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	13	1.73
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	13	1.73
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	13	1.73
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	13	1.73
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	13	1.73
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	4	1.73
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	4	1.73
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	4	1.73
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	11	1.73
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	11	1.73
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	11	1.73
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE2	17	1.73
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE2	17	1.73
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE2	17	1.73
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	4	1.73
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	4	1.73
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	4	1.73
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	4	1.73
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	4	1.73
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	4	1.73
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	4	1.73
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	4	1.73
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	4	1.73
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	12	1.73
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	12	1.73
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	12	1.73
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	1	1.73
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	1	1.73
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	1	1.73
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	2	1.73
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	2	1.73
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	2	1.73
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	20	1.73
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	20	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	20	1.73
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	19	1.73
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	19	1.73
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	19	1.73
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	19	1.73
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	19	1.73
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	19	1.73
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	19	1.73
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	19	1.73
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	19	1.73
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	14	1.73
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	14	1.73
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	14	1.73
(3,1625)	1:36:B:ILE:HG22	1:33:B:VAL:H	19	1.72
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	17	1.72
(3,1419)	1:52:B:HIS:HD2	1:69:B:LYS:HB2	9	1.72
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG23	4	1.72
(3,1315)	1:59:B:LEU:HD12	1:18:B:ARG:HB3	9	1.72
(3,1140)	1:76:B:TRP:HB3	1:83:B:GLU:HB3	15	1.72
(3,1065)	1:85:B:GLN:HG3	1:86:B:ARG:HB2	14	1.72
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD22	18	1.72
(3,817)	1:101:B:ILE:HD11	1:104:B:ASN:H	20	1.72
(3,814)	1:107:B:ALA:HB1	1:84:B:LEU:HA	12	1.72
(3,807)	1:107:B:ALA:HB2	1:74:B:VAL:HG12	9	1.72
(3,797)	1:64:B:LYS:HG3	1:65:B:ASP:HB3	1	1.72
(3,690)	1:115:B:VAL:HG21	1:118:B:LEU:HD11	4	1.72
(3,674)	1:63:B:VAL:HB	1:51:B:ILE:HD13	7	1.72
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB2	2	1.72
(3,272)	1:118:B:LEU:H	1:119:B:LEU:HD13	5	1.72
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	10	1.72
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	10	1.72
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	10	1.72
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	10	1.72
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	10	1.72
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	10	1.72
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	10	1.72
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	10	1.72
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	10	1.72
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	11	1.72
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	11	1.72
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	11	1.72
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	11	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	11	1.72
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	11	1.72
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	11	1.72
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	11	1.72
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	11	1.72
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	15	1.72
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	15	1.72
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	15	1.72
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	8	1.72
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	8	1.72
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	8	1.72
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	15	1.72
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	15	1.72
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	15	1.72
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	14	1.72
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	14	1.72
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	14	1.72
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	17	1.72
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	17	1.72
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	17	1.72
(1,880)	1:75:B:LEU:HD21	1:76:B:TRP:HD1	3	1.72
(1,825)	1:141:B:SER:H	1:129:B:GLU:HG3	12	1.72
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	5	1.71
(3,1387)	1:54:B:LEU:HD22	1:55:B:VAL:HA	3	1.71
(3,1163)	1:40:B:LEU:HD22	1:45:B:ARG:HD3	17	1.71
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD23	18	1.71
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG13	18	1.71
(3,826)	1:105:B:ILE:HG22	1:87:B:LEU:HG	13	1.71
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	2	1.71
(3,690)	1:115:B:VAL:HG22	1:118:B:LEU:HD13	7	1.71
(3,685)	1:84:B:LEU:HD12	1:117:B:LYS:HB2	19	1.71
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	16	1.71
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	5	1.71
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	5	1.71
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	5	1.71
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	6	1.71
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	6	1.71
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	6	1.71
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	5	1.71
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	11	1.71
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	11	1.71
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	11	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	16	1.71
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	16	1.71
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	16	1.71
(1,1515)	1:97:B:VAL:HG12	1:123:B:LEU:HB3	6	1.71
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	1	1.71
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	1	1.71
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	1	1.71
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HB2	1	1.7
(3,1864)	1:6:B:ALA:HB3	1:45:B:ARG:HD3	12	1.7
(3,1625)	1:36:B:ILE:HG21	1:33:B:VAL:H	4	1.7
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	13	1.7
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	19	1.7
(3,1546)	1:43:B:VAL:HG13	1:45:B:ARG:HG3	17	1.7
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG12	16	1.7
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG23	19	1.7
(3,1110)	1:82:B:LEU:HD13	1:81:B:GLU:H	14	1.7
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG12	10	1.7
(3,839)	1:102:B:MET:HE1	1:103:B:LYS:HE2	3	1.7
(3,826)	1:105:B:ILE:HG22	1:87:B:LEU:HG	16	1.7
(3,817)	1:101:B:ILE:HD11	1:104:B:ASN:H	17	1.7
(3,549)	1:124:B:VAL:HG12	1:127:B:ARG:HG2	20	1.7
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD23	20	1.7
(3,261)	1:117:B:LYS:H	1:123:B:LEU:HB2	9	1.7
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	15	1.7
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG12	3	1.7
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	9	1.7
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	9	1.7
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	9	1.7
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	19	1.7
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	19	1.7
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	19	1.7
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	3	1.7
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	3	1.7
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	3	1.7
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	17	1.7
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	17	1.7
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	17	1.7
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	5	1.7
(1,1425)	1:103:B:LYS:HE3	1:103:B:LYS:H	15	1.7
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	7	1.7
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	7	1.7
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	7	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	12	1.7
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	12	1.7
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	12	1.7
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	9	1.7
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	9	1.7
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	9	1.7
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	15	1.7
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	15	1.7
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	15	1.7
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	5	1.7
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	5	1.7
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	5	1.7
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE3	4	1.69
(3,1764)	1:17:B:LEU:HD11	1:54:B:LEU:HB3	9	1.69
(3,1466)	1:50:B:ILE:HD12	1:34:B:GLU:HG2	8	1.69
(3,1466)	1:50:B:ILE:HD11	1:13:B:GLU:HG3	20	1.69
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG22	5	1.69
(3,1314)	1:37:B:LEU:HD22	1:67:B:GLN:HG3	5	1.69
(3,726)	1:114:B:ILE:HG13	1:117:B:LYS:HD3	9	1.69
(3,685)	1:84:B:LEU:HD11	1:117:B:LYS:HB2	4	1.69
(3,385)	1:130:B:LEU:HD22	1:115:B:VAL:HB	18	1.69
(3,272)	1:118:B:LEU:H	1:123:B:LEU:HB3	20	1.69
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	5	1.69
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	5	1.69
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	5	1.69
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	2	1.69
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	2	1.69
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	2	1.69
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	1	1.69
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	1	1.69
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	1	1.69
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	20	1.69
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	20	1.69
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	20	1.69
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD2	13	1.69
(1,1808)	1:74:B:VAL:HG11	1:75:B:LEU:HB3	15	1.69
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	5	1.69
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	5	1.69
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	5	1.69
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	5	1.69
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	5	1.69
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	5	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	5	1.69
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	5	1.69
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	5	1.69
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG21	7	1.69
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG22	7	1.69
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG23	7	1.69
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	3	1.69
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	3	1.69
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	3	1.69
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	10	1.69
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	10	1.69
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	4	1.69
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	4	1.69
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	4	1.69
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	14	1.69
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	14	1.69
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	14	1.69
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	10	1.69
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	12	1.69
(3,1625)	1:36:B:ILE:HG22	1:33:B:VAL:H	1	1.68
(3,1466)	1:50:B:ILE:HD12	1:13:B:GLU:HG3	14	1.68
(3,1466)	1:50:B:ILE:HD12	1:13:B:GLU:HG3	18	1.68
(3,1319)	1:37:B:LEU:HD22	1:66:B:PHE:HE1	5	1.68
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	19	1.68
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD22	4	1.68
(3,1074)	1:84:B:LEU:HD11	1:118:B:LEU:HD13	18	1.68
(3,825)	1:105:B:ILE:HG22	1:108:B:LYS:HB3	15	1.68
(3,358)	1:98:B:LEU:HD12	1:117:B:LYS:H	3	1.68
(3,357)	1:98:B:LEU:HD11	1:114:B:ILE:H	5	1.68
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	10	1.68
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	2	1.68
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	2	1.68
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	2	1.68
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	6	1.68
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	6	1.68
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	6	1.68
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	7	1.68
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	2	1.68
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	2	1.68
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	2	1.68
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	15	1.68
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	15	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	15	1.68
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	4	1.68
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	4	1.68
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	4	1.68
(1,880)	1:75:B:LEU:HD23	1:76:B:TRP:HD1	14	1.68
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	3	1.68
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	3	1.68
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	3	1.68
(1,617)	1:96:B:ASP:H	1:100:B:HIS:HD2	14	1.68
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG13	13	1.67
(3,1580)	1:40:B:LEU:HD11	1:16:B:HIS:HD2	13	1.67
(3,1578)	1:98:B:LEU:HD13	1:102:B:MET:H	13	1.67
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	15	1.67
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG21	19	1.67
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	20	1.67
(3,1188)	1:73:B:ILE:HG22	1:109:B:ARG:HD3	3	1.67
(3,903)	1:98:B:LEU:HD22	1:130:B:LEU:HA	14	1.67
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	13	1.67
(3,817)	1:101:B:ILE:HD11	1:104:B:ASN:H	19	1.67
(3,814)	1:107:B:ALA:HB3	1:84:B:LEU:HA	3	1.67
(3,697)	1:115:B:VAL:HG22	1:116:B:ASP:HA	20	1.67
(3,659)	1:116:B:ASP:HB2	1:127:B:ARG:HG2	2	1.67
(3,659)	1:116:B:ASP:HB2	1:127:B:ARG:HG2	18	1.67
(3,358)	1:98:B:LEU:HD11	1:117:B:LYS:H	16	1.67
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	4	1.67
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	4	1.67
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	4	1.67
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	10	1.67
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	9	1.67
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	9	1.67
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	9	1.67
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB1	11	1.67
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB2	11	1.67
(1,1859)	1:72:B:HIS:HE1	1:120:B:ALA:HB3	11	1.67
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	9	1.67
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	9	1.67
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	9	1.67
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	17	1.67
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	17	1.67
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	17	1.67
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	19	1.67
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	19	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	19	1.67
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	4	1.67
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	4	1.67
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	4	1.67
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	4	1.67
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	4	1.67
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	4	1.67
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	4	1.67
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	4	1.67
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	4	1.67
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	10	1.67
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	10	1.67
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	10	1.67
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	16	1.67
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	16	1.67
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	16	1.67
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	8	1.67
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	8	1.67
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	8	1.67
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	8	1.67
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	8	1.67
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	8	1.67
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	8	1.67
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	8	1.67
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	8	1.67
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	13	1.67
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	13	1.67
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	2	1.67
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	2	1.67
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	2	1.67
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	7	1.66
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	19	1.66
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD22	7	1.66
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD22	17	1.66
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD23	17	1.66
(3,865)	1:101:B:ILE:HD11	1:102:B:MET:HG3	10	1.66
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	7	1.66
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG13	6	1.66
(3,697)	1:115:B:VAL:HG21	1:116:B:ASP:HA	12	1.66
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	1	1.66
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	1	1.66
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	1	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	2	1.66
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	2	1.66
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	2	1.66
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	2	1.66
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	2	1.66
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	2	1.66
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	2	1.66
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	2	1.66
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	2	1.66
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	7	1.66
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	7	1.66
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	7	1.66
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	13	1.66
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	13	1.66
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	13	1.66
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	4	1.66
(1,1515)	1:97:B:VAL:HG12	1:123:B:LEU:HB3	20	1.66
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	6	1.66
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	6	1.66
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	6	1.66
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	16	1.66
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	16	1.66
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	16	1.66
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	16	1.66
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	16	1.66
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	16	1.66
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	2	1.66
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	2	1.66
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	2	1.66
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	2	1.66
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	2	1.66
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	2	1.66
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	2	1.66
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	2	1.66
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	2	1.66
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	3	1.66
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	3	1.66
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	3	1.66
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	3	1.66
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	3	1.66
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	3	1.66
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	3	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	3	1.66
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	3	1.66
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	15	1.66
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	15	1.66
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	15	1.66
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	7	1.66
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	7	1.66
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	7	1.66
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG3	11	1.66
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG3	11	1.66
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG3	11	1.66
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	5	1.66
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	5	1.66
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	5	1.66
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	5	1.66
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	5	1.66
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	5	1.66
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	5	1.66
(3,1874)	1:118:B:LEU:HD11	1:84:B:LEU:HG	6	1.65
(3,1387)	1:54:B:LEU:HD22	1:55:B:VAL:HA	4	1.65
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG21	20	1.65
(3,1126)	1:52:B:HIS:HB3	1:63:B:VAL:HG23	2	1.65
(3,815)	1:106:B:THR:HG23	1:84:B:LEU:H	15	1.65
(3,815)	1:106:B:THR:HG22	1:84:B:LEU:H	16	1.65
(3,690)	1:115:B:VAL:HG21	1:118:B:LEU:HD12	11	1.65
(3,335)	1:141:B:SER:HB3	1:138:B:LEU:HB2	7	1.65
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD11	1	1.65
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	18	1.65
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	18	1.65
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	18	1.65
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	6	1.65
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	6	1.65
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	6	1.65
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	1	1.65
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	1	1.65
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	1	1.65
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD2	5	1.65
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD2	5	1.65
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD2	5	1.65
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	3	1.65
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	3	1.65
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	3	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	14	1.65
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	14	1.65
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	14	1.65
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	3	1.65
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	3	1.65
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	3	1.65
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	3	1.65
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	3	1.65
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	3	1.65
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	4	1.65
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	4	1.65
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	4	1.65
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	10	1.65
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	10	1.65
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	10	1.65
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG21	11	1.64
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	9	1.64
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	19	1.64
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG12	8	1.64
(3,865)	1:101:B:ILE:HD12	1:102:B:MET:HG3	7	1.64
(3,817)	1:101:B:ILE:HD13	1:104:B:ASN:H	2	1.64
(3,814)	1:107:B:ALA:HB2	1:84:B:LEU:HA	20	1.64
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD13	11	1.64
(3,743)	1:114:B:ILE:HD12	1:104:B:ASN:H	17	1.64
(3,690)	1:115:B:VAL:HG22	1:118:B:LEU:HD13	19	1.64
(3,541)	1:124:B:VAL:HG23	1:115:B:VAL:HB	4	1.64
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	18	1.64
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	18	1.64
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	18	1.64
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	3	1.64
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	12	1.64
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	12	1.64
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	12	1.64
(1,1572)	1:133:B:LYS:HG2	1:134:B:ARG:HD3	3	1.64
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	5	1.64
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	5	1.64
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	5	1.64
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	19	1.64
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	19	1.64
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	19	1.64
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	19	1.64
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	19	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	19	1.64
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	9	1.64
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	9	1.64
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	9	1.64
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	8	1.64
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	13	1.63
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	14	1.63
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	11	1.63
(3,1545)	1:43:B:VAL:HG11	1:7:B:PRO:HB2	11	1.63
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG21	9	1.63
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG23	15	1.63
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG22	16	1.63
(3,1387)	1:54:B:LEU:HD23	1:53:B:HIS:HA	6	1.63
(3,1189)	1:73:B:ILE:HG21	1:113:B:ARG:HB3	16	1.63
(3,1176)	1:74:B:VAL:HG13	1:73:B:ILE:HG12	11	1.63
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG22	15	1.63
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD21	16	1.63
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD23	19	1.63
(3,797)	1:133:B:LYS:HG3	1:135:B:GLN:HG2	20	1.63
(3,447)	1:134:B:ARG:HB2	1:135:B:GLN:HG2	10	1.63
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD22	8	1.63
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	10	1.63
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	16	1.63
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	16	1.63
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	16	1.63
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	7	1.63
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	7	1.63
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	7	1.63
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	7	1.63
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	15	1.63
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	4	1.63
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	4	1.63
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	4	1.63
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	20	1.63
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	20	1.63
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	20	1.63
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	10	1.62
(3,1392)	1:54:B:LEU:HD13	1:57:B:MET:H	16	1.62
(3,1387)	1:54:B:LEU:HD23	1:53:B:HIS:HA	19	1.62
(3,1319)	1:37:B:LEU:HD21	1:66:B:PHE:HE2	6	1.62
(3,1315)	1:59:B:LEU:HD11	1:18:B:ARG:HB3	20	1.62
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD3	11	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1171)	1:74:B:VAL:HG12	1:76:B:TRP:HE1	18	1.62
(3,866)	1:105:B:ILE:HD12	1:109:B:ARG:HD3	2	1.62
(3,817)	1:101:B:ILE:HD11	1:104:B:ASN:H	5	1.62
(3,685)	1:84:B:LEU:HD12	1:109:B:ARG:HG2	16	1.62
(3,602)	1:121:B:LEU:HD12	1:85:B:GLN:HG2	13	1.62
(3,589)	1:84:B:LEU:HD23	1:118:B:LEU:H	11	1.62
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	8	1.62
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	8	1.62
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	8	1.62
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	15	1.62
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	15	1.62
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	15	1.62
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	10	1.62
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	10	1.62
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	10	1.62
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	9	1.62
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	9	1.62
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	9	1.62
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	9	1.62
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	9	1.62
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	9	1.62
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	9	1.62
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	9	1.62
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	9	1.62
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	10	1.62
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	10	1.62
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	10	1.62
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	11	1.62
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	11	1.62
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	11	1.62
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	17	1.62
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	17	1.62
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	17	1.62
(3,1671)	1:32:B:VAL:HG11	1:66:B:PHE:H	7	1.61
(3,1625)	1:36:B:ILE:HG21	1:33:B:VAL:H	10	1.61
(3,1552)	1:43:B:VAL:HG23	1:42:B:THR:H	1	1.61
(3,1466)	1:50:B:ILE:HD11	1:13:B:GLU:HG3	11	1.61
(3,1190)	1:73:B:ILE:HG22	1:74:B:VAL:HB	5	1.61
(3,1185)	1:73:B:ILE:HD12	1:109:B:ARG:HD3	2	1.61
(3,1176)	1:74:B:VAL:HG12	1:73:B:ILE:HG12	8	1.61
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG21	2	1.61
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD11	5	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,956)	1:65:B:ASP:HB2	1:63:B:VAL:HG11	3	1.61
(3,866)	1:105:B:ILE:HD12	1:109:B:ARG:HD3	5	1.61
(3,814)	1:107:B:ALA:HB2	1:84:B:LEU:HA	7	1.61
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD12	1	1.61
(3,558)	1:84:B:LEU:HD22	1:101:B:ILE:HA	11	1.61
(3,494)	1:82:B:LEU:HD22	1:82:B:LEU:HA	18	1.61
(3,358)	1:98:B:LEU:HD12	1:117:B:LYS:H	20	1.61
(3,90)	1:48:B:LYS:H	1:50:B:ILE:HG23	6	1.61
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG11	20	1.61
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	6	1.61
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	6	1.61
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	6	1.61
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	4	1.61
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	4	1.61
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	4	1.61
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HB3	12	1.61
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	14	1.61
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	14	1.61
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	14	1.61
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	2	1.61
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	2	1.61
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	2	1.61
(1,1882)	1:67:B:GLN:HG2	1:64:B:LYS:HA	5	1.61
(1,1566)	1:92:B:ARG:HG2	1:93:B:ASP:HB3	7	1.61
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE3	4	1.61
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE3	4	1.61
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE3	4	1.61
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	1	1.61
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	1	1.61
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	1	1.61
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	8	1.61
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	8	1.61
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	8	1.61
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	12	1.61
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	12	1.61
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	12	1.61
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	4	1.61
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	4	1.61
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	4	1.61
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	4	1.61
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	4	1.61
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	4	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	4	1.61
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	4	1.61
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	4	1.61
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	15	1.61
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	15	1.61
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	15	1.61
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	11	1.61
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	11	1.61
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	11	1.61
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	20	1.6
(3,1392)	1:54:B:LEU:HD12	1:57:B:MET:H	5	1.6
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE2	9	1.6
(3,1276)	1:63:B:VAL:HG21	1:66:B:PHE:HZ	9	1.6
(3,1176)	1:74:B:VAL:HG13	1:73:B:ILE:HG12	17	1.6
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD22	19	1.6
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD22	16	1.6
(3,903)	1:98:B:LEU:HD22	1:130:B:LEU:HA	11	1.6
(3,807)	1:107:B:ALA:HB2	1:74:B:VAL:HG11	3	1.6
(3,646)	1:17:B:LEU:HG	1:42:B:THR:HG21	6	1.6
(3,495)	1:130:B:LEU:HD12	1:115:B:VAL:HB	8	1.6
(3,479)	1:131:B:TYR:HB3	1:132:B:LYS:HB2	20	1.6
(3,335)	1:141:B:SER:HB2	1:130:B:LEU:HG	6	1.6
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	17	1.6
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	20	1.6
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	20	1.6
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	20	1.6
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	17	1.6
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG21	1	1.6
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG22	1	1.6
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG23	1	1.6
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	1	1.6
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	1	1.6
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	1	1.6
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	1	1.6
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	1	1.6
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	1	1.6
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	1	1.6
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	1	1.6
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	1	1.6
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	14	1.6
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	14	1.6
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	14	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	14	1.6
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	14	1.6
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	14	1.6
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	14	1.6
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	14	1.6
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	14	1.6
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	13	1.6
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	13	1.6
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	13	1.6
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	9	1.6
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	9	1.6
(3,1671)	1:32:B:VAL:HG11	1:66:B:PHE:H	11	1.59
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG11	5	1.59
(3,1466)	1:50:B:ILE:HD11	1:13:B:GLU:HG3	1	1.59
(3,1435)	1:51:B:ILE:HG21	1:32:B:VAL:HG11	1	1.59
(3,1387)	1:54:B:LEU:HD23	1:53:B:HIS:HA	7	1.59
(3,1186)	1:73:B:ILE:HD12	1:74:B:VAL:HB	5	1.59
(3,1110)	1:82:B:LEU:HD13	1:87:B:LEU:H	16	1.59
(3,1052)	1:54:B:LEU:HG	1:51:B:ILE:HG23	7	1.59
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD11	6	1.59
(3,903)	1:98:B:LEU:HD21	1:130:B:LEU:HA	1	1.59
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	12	1.59
(3,817)	1:101:B:ILE:HD12	1:104:B:ASN:H	6	1.59
(3,743)	1:114:B:ILE:HD13	1:104:B:ASN:H	15	1.59
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD12	5	1.59
(3,697)	1:115:B:VAL:HG22	1:113:B:ARG:HA	8	1.59
(3,550)	1:124:B:VAL:HG12	1:118:B:LEU:HB3	17	1.59
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	15	1.59
(3,418)	1:132:B:LYS:HB2	1:131:B:TYR:HB3	9	1.59
(3,385)	1:130:B:LEU:HD21	1:115:B:VAL:HB	7	1.59
(3,385)	1:130:B:LEU:HD23	1:115:B:VAL:HB	19	1.59
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	20	1.59
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	9	1.59
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	9	1.59
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	9	1.59
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	6	1.59
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	6	1.59
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	6	1.59
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	6	1.59
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	6	1.59
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	6	1.59
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	6	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	6	1.59
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	6	1.59
(1,2276)	1:43:B:VAL:HG21	1:49:B:GLN:HB3	4	1.59
(1,2034)	1:57:B:MET:HE2	1:21:B:TYR:HD1	14	1.59
(1,1947)	1:62:B:SER:HB3	1:65:B:ASP:HB3	4	1.59
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	5	1.59
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	5	1.59
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	5	1.59
(1,1572)	1:133:B:LYS:HG2	1:134:B:ARG:HD3	2	1.59
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	2	1.59
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	2	1.59
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	2	1.59
(1,1515)	1:97:B:VAL:HG13	1:123:B:LEU:HB3	3	1.59
(1,880)	1:75:B:LEU:HD21	1:76:B:TRP:HD1	17	1.59
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HG3	9	1.58
(3,1770)	1:17:B:LEU:HD23	1:14:B:GLU:HB2	3	1.58
(3,1770)	1:17:B:LEU:HD22	1:13:B:GLU:HG2	6	1.58
(3,1670)	1:32:B:VAL:HG21	1:22:B:LEU:H	16	1.58
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD23	7	1.58
(3,1387)	1:54:B:LEU:HD21	1:55:B:VAL:HA	11	1.58
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	18	1.58
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG21	10	1.58
(3,1035)	1:20:B:LEU:HD13	1:35:B:ALA:HB3	6	1.58
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD23	7	1.58
(3,807)	1:107:B:ALA:HB3	1:74:B:VAL:HG11	11	1.58
(3,807)	1:107:B:ALA:HB2	1:74:B:VAL:HG13	14	1.58
(3,697)	1:115:B:VAL:HG22	1:113:B:ARG:HA	13	1.58
(3,659)	1:116:B:ASP:HB2	1:127:B:ARG:HG2	9	1.58
(3,658)	1:95:B:ASP:HB2	1:132:B:LYS:HB2	15	1.58
(3,549)	1:124:B:VAL:HG12	1:127:B:ARG:HG2	19	1.58
(3,541)	1:124:B:VAL:HG21	1:129:B:GLU:HB3	12	1.58
(3,357)	1:98:B:LEU:HD11	1:114:B:ILE:H	4	1.58
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG11	13	1.58
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	10	1.58
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	10	1.58
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	10	1.58
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	6	1.58
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	6	1.58
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	6	1.58
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	8	1.58
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	8	1.58
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	8	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	3	1.58
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	3	1.58
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	3	1.58
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	15	1.58
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	1	1.58
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	1	1.58
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	1	1.58
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD21	1	1.58
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD22	1	1.58
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD23	1	1.58
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	18	1.58
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	18	1.58
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	18	1.58
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	8	1.58
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	14	1.58
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	14	1.58
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	14	1.58
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	14	1.58
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	14	1.58
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	14	1.58
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	5	1.58
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	6	1.58
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG23	1	1.57
(3,1625)	1:36:B:ILE:HG21	1:33:B:VAL:H	3	1.57
(3,1392)	1:54:B:LEU:HD13	1:57:B:MET:H	14	1.57
(3,1387)	1:54:B:LEU:HD23	1:53:B:HIS:HA	17	1.57
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	20	1.57
(3,1176)	1:74:B:VAL:HG11	1:117:B:LYS:HD2	1	1.57
(3,1110)	1:82:B:LEU:HD13	1:81:B:GLU:H	18	1.57
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD21	5	1.57
(3,814)	1:107:B:ALA:HB1	1:84:B:LEU:HA	16	1.57
(3,349)	1:130:B:LEU:HD21	1:115:B:VAL:H	10	1.57
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	5	1.57
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	5	1.57
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	5	1.57
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	18	1.57
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	19	1.57
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	19	1.57
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	19	1.57
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	19	1.57
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	19	1.57
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	19	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	19	1.57
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	19	1.57
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	19	1.57
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	20	1.57
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	20	1.57
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	20	1.57
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	20	1.57
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	20	1.57
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	20	1.57
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	20	1.57
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	20	1.57
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	20	1.57
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD2	4	1.57
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	9	1.57
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	9	1.57
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	9	1.57
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG11	18	1.57
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG12	18	1.57
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG13	18	1.57
(1,1566)	1:92:B:ARG:HG2	1:93:B:ASP:HB3	9	1.57
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	2	1.57
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	2	1.57
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	15	1.57
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	15	1.57
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	15	1.57
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	17	1.57
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	17	1.57
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	17	1.57
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	9	1.56
(3,1552)	1:43:B:VAL:HG21	1:42:B:THR:H	7	1.56
(3,1392)	1:54:B:LEU:HD12	1:57:B:MET:H	1	1.56
(3,1392)	1:54:B:LEU:HD13	1:57:B:MET:H	8	1.56
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	15	1.56
(3,1387)	1:54:B:LEU:HD22	1:53:B:HIS:HA	13	1.56
(3,1387)	1:54:B:LEU:HD21	1:53:B:HIS:HA	20	1.56
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD13	12	1.56
(3,1203)	1:73:B:ILE:HD11	1:72:B:HIS:HD2	18	1.56
(3,928)	1:97:B:VAL:HG13	1:102:B:MET:HG2	7	1.56
(3,916)	1:37:B:LEU:HD12	1:50:B:ILE:H	6	1.56
(3,914)	1:98:B:LEU:HD21	1:100:B:HIS:H	16	1.56
(3,914)	1:98:B:LEU:HD22	1:100:B:HIS:H	20	1.56
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG12	13	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,674)	1:63:B:VAL:HB	1:51:B:ILE:HD12	3	1.56
(3,541)	1:124:B:VAL:HG22	1:115:B:VAL:HB	9	1.56
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	9	1.56
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	19	1.56
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	19	1.56
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	19	1.56
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	6	1.56
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	15	1.56
(1,2237)	1:123:B:LEU:HG	1:121:B:LEU:HB2	4	1.56
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	12	1.56
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	12	1.56
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	12	1.56
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	16	1.56
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	16	1.56
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	16	1.56
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	9	1.56
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	9	1.56
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	9	1.56
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	20	1.56
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	20	1.56
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	20	1.56
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	3	1.56
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	3	1.56
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	3	1.56
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	6	1.56
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	6	1.56
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	6	1.56
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	13	1.56
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	13	1.56
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	12	1.56
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	12	1.56
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	12	1.56
(1,880)	1:75:B:LEU:HD23	1:76:B:TRP:HD1	6	1.56
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	12	1.56
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	12	1.56
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	12	1.56
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE2	6	1.55
(3,1766)	1:17:B:LEU:HD12	1:17:B:LEU:HA	10	1.55
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD11	1	1.55
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	15	1.55
(3,1237)	1:46:B:THR:HG22	1:53:B:HIS:HE1	6	1.55
(3,1171)	1:74:B:VAL:HG12	1:76:B:TRP:HE1	7	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG21	9	1.55
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD23	13	1.55
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	5	1.55
(3,349)	1:33:B:VAL:HG12	1:37:B:LEU:H	18	1.55
(3,90)	1:48:B:LYS:H	1:50:B:ILE:HG22	18	1.55
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	18	1.55
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	7	1.55
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	20	1.55
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	20	1.55
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	20	1.55
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	15	1.55
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	15	1.55
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	15	1.55
(1,2324)	1:131:B:TYR:HB2	1:128:B:ARG:HG2	9	1.55
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	19	1.55
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	19	1.55
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	19	1.55
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	5	1.55
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	5	1.55
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	5	1.55
(1,1558)	1:92:B:ARG:HD2	1:89:B:GLU:HB2	4	1.55
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	4	1.55
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	4	1.55
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	4	1.55
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	11	1.55
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	11	1.55
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	11	1.55
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	7	1.55
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	7	1.55
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	7	1.55
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	8	1.55
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	8	1.55
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	8	1.55
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	1	1.55
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	1	1.55
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	1	1.55
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	14	1.55
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	14	1.55
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	14	1.55
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	8	1.55
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	8	1.55
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	8	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:124:B:VAL:HG21	1:129:B:GLU:HG2	14	1.55
(1,1068)	1:124:B:VAL:HG22	1:129:B:GLU:HG2	14	1.55
(1,1068)	1:124:B:VAL:HG23	1:129:B:GLU:HG2	14	1.55
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD3	3	1.55
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	19	1.55
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	19	1.55
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	10	1.55
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	10	1.55
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	10	1.55
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	16	1.55
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	16	1.55
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	16	1.55
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG12	2	1.54
(3,1625)	1:36:B:ILE:HG23	1:33:B:VAL:H	7	1.54
(3,1387)	1:54:B:LEU:HD22	1:53:B:HIS:HA	15	1.54
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	1	1.54
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	1	1.54
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD23	20	1.54
(3,797)	1:133:B:LYS:HG3	1:135:B:GLN:HG3	16	1.54
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG12	12	1.54
(3,690)	1:115:B:VAL:HG22	1:118:B:LEU:HD11	17	1.54
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB1	3	1.54
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	12	1.54
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	12	1.54
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	12	1.54
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	4	1.54
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	4	1.54
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	4	1.54
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	6	1.54
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	6	1.54
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	6	1.54
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	16	1.54
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	7	1.54
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	7	1.54
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	7	1.54
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	7	1.54
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	7	1.54
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	7	1.54
(1,1247)	1:87:B:LEU:HD11	1:91:B:PHE:HD2	1	1.54
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	17	1.54
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	17	1.54
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	17	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	13	1.54
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	13	1.54
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	13	1.54
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	3	1.54
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	3	1.54
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	3	1.54
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	16	1.54
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	16	1.54
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	16	1.54
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	16	1.54
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	16	1.54
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	16	1.54
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	16	1.54
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	16	1.54
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	16	1.54
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	6	1.54
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	6	1.54
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	6	1.54
(1,825)	1:141:B:SER:H	1:129:B:GLU:HG2	8	1.54
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	7	1.54
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	7	1.54
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	7	1.54
(3,1875)	1:118:B:LEU:HD11	1:84:B:LEU:HD13	14	1.53
(3,1869)	1:118:B:LEU:HD13	1:120:B:ALA:H	5	1.53
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	8	1.53
(3,1387)	1:54:B:LEU:HD23	1:55:B:VAL:HA	2	1.53
(3,1315)	1:59:B:LEU:HD11	1:18:B:ARG:HB3	4	1.53
(3,1276)	1:63:B:VAL:HG22	1:66:B:PHE:HZ	17	1.53
(3,1240)	1:122:B:GLY:HA2	1:119:B:LEU:HB2	10	1.53
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	8	1.53
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD11	7	1.53
(3,1171)	1:74:B:VAL:HG13	1:76:B:TRP:HE1	4	1.53
(3,928)	1:97:B:VAL:HG13	1:102:B:MET:HG2	6	1.53
(3,928)	1:97:B:VAL:HG11	1:102:B:MET:HG2	8	1.53
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	16	1.53
(3,815)	1:106:B:THR:HG22	1:84:B:LEU:H	5	1.53
(3,790)	1:109:B:ARG:HD2	1:105:B:ILE:HD12	3	1.53
(3,357)	1:98:B:LEU:HD13	1:114:B:ILE:H	11	1.53
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	4	1.53
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	5	1.53
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	5	1.53
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	5	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	5	1.53
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	15	1.53
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	15	1.53
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	15	1.53
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	6	1.53
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	6	1.53
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	6	1.53
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	6	1.53
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	6	1.53
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	6	1.53
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	6	1.53
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	6	1.53
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	6	1.53
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	9	1.53
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	10	1.53
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	18	1.53
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	4	1.53
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	4	1.53
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	4	1.53
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	6	1.53
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	6	1.53
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	6	1.53
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	7	1.53
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	7	1.53
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	7	1.53
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	19	1.53
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	19	1.53
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	19	1.53
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	6	1.53
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	6	1.53
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	6	1.53
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	20	1.53
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	11	1.53
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	11	1.53
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	11	1.53
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	18	1.53
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	18	1.53
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	18	1.53
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	4	1.53
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	4	1.53
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	4	1.53
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	4	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	4	1.53
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	4	1.53
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	4	1.53
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	4	1.53
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	4	1.53
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	19	1.53
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	19	1.53
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	19	1.53
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	19	1.53
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	19	1.53
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	19	1.53
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	15	1.53
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	15	1.53
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	2	1.53
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	4	1.53
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	4	1.53
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	4	1.53
(3,1874)	1:118:B:LEU:HD11	1:84:B:LEU:HG	7	1.52
(3,1764)	1:17:B:LEU:HD11	1:57:B:MET:HE1	14	1.52
(3,1625)	1:36:B:ILE:HG21	1:33:B:VAL:H	8	1.52
(3,1466)	1:50:B:ILE:HD11	1:13:B:GLU:HG3	9	1.52
(3,1315)	1:59:B:LEU:HD11	1:18:B:ARG:HB3	5	1.52
(3,1298)	1:8:B:THR:HG22	1:7:B:PRO:HB3	18	1.52
(3,1288)	1:61:B:ASP:HB3	1:64:B:LYS:HD2	1	1.52
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG22	7	1.52
(3,1234)	1:46:B:THR:HG23	1:47:B:ARG:HD3	9	1.52
(3,1234)	1:46:B:THR:HG22	1:47:B:ARG:HD3	18	1.52
(3,999)	1:89:B:GLU:HG2	1:86:B:ARG:HG2	3	1.52
(3,558)	1:84:B:LEU:HD22	1:118:B:LEU:HA	9	1.52
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG12	19	1.52
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	9	1.52
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	16	1.52
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	16	1.52
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	16	1.52
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	16	1.52
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	16	1.52
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	16	1.52
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	16	1.52
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	16	1.52
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	16	1.52
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG21	3	1.52
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG22	3	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2459)	1:29:B:GLY:HA3	1:27:B:VAL:HG23	3	1.52
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	13	1.52
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	13	1.52
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	13	1.52
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	18	1.52
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	18	1.52
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	18	1.52
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	6	1.52
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	6	1.52
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	6	1.52
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	6	1.52
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	6	1.52
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	6	1.52
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	6	1.52
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	6	1.52
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	6	1.52
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	4	1.52
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	17	1.52
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	17	1.52
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	17	1.52
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	14	1.52
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	14	1.52
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	14	1.52
(3,1859)	1:42:B:THR:HG21	1:9:B:TRP:HE1	14	1.51
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	10	1.51
(3,1845)	1:9:B:TRP:HZ2	1:57:B:MET:HE3	11	1.51
(3,1625)	1:36:B:ILE:HG22	1:33:B:VAL:H	12	1.51
(3,1625)	1:36:B:ILE:HG23	1:33:B:VAL:H	18	1.51
(3,1561)	1:131:B:TYR:HB2	1:133:B:LYS:HG2	17	1.51
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	3	1.51
(3,1190)	1:73:B:ILE:HG23	1:74:B:VAL:HB	10	1.51
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG22	8	1.51
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD21	16	1.51
(3,817)	1:105:B:ILE:HD11	1:76:B:TRP:HE3	7	1.51
(3,815)	1:106:B:THR:HG21	1:84:B:LEU:H	17	1.51
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG12	18	1.51
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	19	1.51
(3,305)	1:129:B:GLU:H	1:118:B:LEU:HB3	14	1.51
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	7	1.51
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	12	1.51
(3,94)	1:49:B:GLN:H	1:63:B:VAL:HG22	17	1.51
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	8	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	8	1.51
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	8	1.51
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	17	1.51
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	17	1.51
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	17	1.51
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HB3	8	1.51
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	18	1.51
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	18	1.51
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	18	1.51
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	16	1.51
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	16	1.51
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	16	1.51
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	4	1.51
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	17	1.51
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	17	1.51
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	17	1.51
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	7	1.51
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	7	1.51
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	7	1.51
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	10	1.51
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	10	1.51
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	10	1.51
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	10	1.51
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	10	1.51
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	10	1.51
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	10	1.51
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	10	1.51
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	10	1.51
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	19	1.51
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	19	1.51
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	19	1.51
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	13	1.51
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	13	1.51
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	13	1.51
(3,1869)	1:118:B:LEU:HD13	1:120:B:ALA:H	7	1.5
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	13	1.5
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	17	1.5
(3,1387)	1:54:B:LEU:HD21	1:53:B:HIS:HA	16	1.5
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE2	19	1.5
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	10	1.5
(3,1237)	1:46:B:THR:HG21	1:53:B:HIS:HE1	4	1.5
(3,1190)	1:73:B:ILE:HG21	1:74:B:VAL:HB	16	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1186)	1:73:B:ILE:HD12	1:74:B:VAL:HB	20	1.5
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG21	7	1.5
(3,558)	1:84:B:LEU:HD22	1:101:B:ILE:HA	3	1.5
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	4	1.5
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	4	1.5
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	4	1.5
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	5	1.5
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	2	1.5
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	2	1.5
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	2	1.5
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	4	1.5
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	4	1.5
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	4	1.5
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	14	1.5
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	14	1.5
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	14	1.5
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	18	1.5
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	18	1.5
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	18	1.5
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	13	1.5
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	13	1.5
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	13	1.5
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	13	1.5
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	13	1.5
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	13	1.5
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	13	1.5
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	13	1.5
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	13	1.5
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	18	1.5
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	18	1.5
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	18	1.5
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	18	1.5
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	18	1.5
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	18	1.5
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	18	1.5
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	18	1.5
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	18	1.5
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	4	1.5
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	4	1.5
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	4	1.5
(3,1869)	1:118:B:LEU:HD12	1:120:B:ALA:H	12	1.49
(3,1859)	1:8:B:THR:HG21	1:9:B:TRP:HE1	20	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1625)	1:36:B:ILE:HG21	1:33:B:VAL:H	2	1.49
(3,1625)	1:36:B:ILE:HG22	1:33:B:VAL:H	9	1.49
(3,1552)	1:43:B:VAL:HG23	1:42:B:THR:H	6	1.49
(3,1387)	1:54:B:LEU:HD22	1:53:B:HIS:HA	12	1.49
(3,1272)	1:63:B:VAL:HG21	1:68:B:ARG:HG3	2	1.49
(3,1267)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	13	1.49
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	16	1.49
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	6	1.49
(3,1234)	1:46:B:THR:HG22	1:47:B:ARG:HD3	12	1.49
(3,1186)	1:73:B:ILE:HD11	1:74:B:VAL:HB	9	1.49
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD12	10	1.49
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD13	18	1.49
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB1	20	1.49
(3,549)	1:124:B:VAL:HG12	1:127:B:ARG:HG2	6	1.49
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	12	1.49
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	1	1.49
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	1	1.49
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	1	1.49
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	20	1.49
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	20	1.49
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	20	1.49
(1,1566)	1:92:B:ARG:HG2	1:93:B:ASP:HB3	3	1.49
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	17	1.49
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	17	1.49
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	17	1.49
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	16	1.49
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	16	1.49
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	16	1.49
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	8	1.49
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	8	1.49
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	8	1.49
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	8	1.49
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	8	1.49
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	8	1.49
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	8	1.49
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	8	1.49
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	8	1.49
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	9	1.49
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	9	1.49
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	9	1.49
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	9	1.49
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	9	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	9	1.49
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	9	1.49
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	9	1.49
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	9	1.49
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	14	1.49
(1,1138)	1:121:B:LEU:HD13	1:85:B:GLN:HB2	20	1.49
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	8	1.49
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	8	1.49
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	8	1.49
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	18	1.49
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	18	1.49
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	18	1.49
(3,1790)	1:16:B:HIS:HB3	1:40:B:LEU:HB2	14	1.48
(3,1645)	1:34:B:GLU:HG2	1:37:B:LEU:HD13	17	1.48
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	2	1.48
(3,1418)	1:9:B:TRP:HE3	1:12:B:GLU:HB3	1	1.48
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	11	1.48
(3,1392)	1:54:B:LEU:HD12	1:57:B:MET:H	18	1.48
(3,1315)	1:59:B:LEU:HD11	1:18:B:ARG:HB3	14	1.48
(3,1314)	1:37:B:LEU:HD23	1:67:B:GLN:HG3	19	1.48
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	14	1.48
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	17	1.48
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD2	20	1.48
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG12	14	1.48
(3,1114)	1:82:B:LEU:HD11	1:79:B:ASP:HB3	8	1.48
(3,1114)	1:82:B:LEU:HD12	1:79:B:ASP:HB3	15	1.48
(3,1074)	1:84:B:LEU:HD12	1:118:B:LEU:HD11	3	1.48
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD22	15	1.48
(3,956)	1:65:B:ASP:HB2	1:63:B:VAL:HG11	9	1.48
(3,914)	1:98:B:LEU:HD21	1:100:B:HIS:H	2	1.48
(3,903)	1:98:B:LEU:HD21	1:130:B:LEU:HA	3	1.48
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG11	8	1.48
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB3	1	1.48
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG13	20	1.48
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	10	1.48
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD11	20	1.48
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	14	1.48
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	13	1.48
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	10	1.48
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	10	1.48
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	10	1.48
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	14	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	17	1.48
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	16	1.48
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	16	1.48
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	16	1.48
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	17	1.48
(1,1247)	1:87:B:LEU:HD13	1:91:B:PHE:HD2	8	1.48
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	6	1.48
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	6	1.48
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	6	1.48
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	6	1.48
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	6	1.48
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	6	1.48
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	6	1.48
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	6	1.48
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	6	1.48
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	13	1.48
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	13	1.48
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	13	1.48
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	1	1.48
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	1	1.48
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	1	1.48
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	14	1.48
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	14	1.48
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	14	1.48
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	11	1.47
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	7	1.47
(3,1625)	1:36:B:ILE:HG22	1:33:B:VAL:H	16	1.47
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG21	11	1.47
(3,1387)	1:54:B:LEU:HD21	1:53:B:HIS:HA	8	1.47
(3,1387)	1:54:B:LEU:HD23	1:55:B:VAL:HA	10	1.47
(3,1387)	1:54:B:LEU:HD22	1:53:B:HIS:HA	18	1.47
(3,1315)	1:59:B:LEU:HD13	1:18:B:ARG:HB3	15	1.47
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	11	1.47
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG13	20	1.47
(3,1188)	1:73:B:ILE:HG23	1:109:B:ARG:HD3	13	1.47
(3,1180)	1:74:B:VAL:HG23	1:76:B:TRP:HZ3	13	1.47
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG22	14	1.47
(3,928)	1:97:B:VAL:HG13	1:102:B:MET:HG2	4	1.47
(3,916)	1:37:B:LEU:HD13	1:50:B:ILE:H	12	1.47
(3,675)	1:63:B:VAL:HB	1:51:B:ILE:HG12	16	1.47
(3,662)	1:87:B:LEU:HA	1:90:B:GLU:HB2	5	1.47
(3,596)	1:84:B:LEU:HD21	1:114:B:ILE:HG13	3	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,541)	1:124:B:VAL:HG22	1:115:B:VAL:HB	19	1.47
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	4	1.47
(3,385)	1:130:B:LEU:HD22	1:115:B:VAL:HB	6	1.47
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	14	1.47
(3,363)	1:40:B:LEU:HD22	1:39:B:HIS:H	8	1.47
(3,358)	1:98:B:LEU:HD11	1:117:B:LYS:H	8	1.47
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	2	1.47
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	14	1.47
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	14	1.47
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	14	1.47
(1,2050)	1:56:B:GLN:HG3	1:52:B:HIS:HB2	19	1.47
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD3	6	1.47
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	12	1.47
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	12	1.47
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	12	1.47
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	2	1.47
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	2	1.47
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	2	1.47
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	2	1.47
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	2	1.47
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	2	1.47
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	2	1.47
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	2	1.47
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	2	1.47
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	7	1.47
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	7	1.47
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	7	1.47
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	11	1.47
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	11	1.47
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	11	1.47
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	11	1.47
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	11	1.47
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	11	1.47
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	11	1.47
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	11	1.47
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	11	1.47
(3,1869)	1:118:B:LEU:HD11	1:120:B:ALA:H	20	1.46
(3,1625)	1:36:B:ILE:HG21	1:33:B:VAL:H	13	1.46
(3,1552)	1:43:B:VAL:HG22	1:42:B:THR:H	10	1.46
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	12	1.46
(3,1454)	1:51:B:ILE:HD12	1:49:B:GLN:H	12	1.46
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	2	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1392)	1:54:B:LEU:HD12	1:57:B:MET:H	7	1.46
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	3	1.46
(3,1315)	1:59:B:LEU:HD12	1:18:B:ARG:HB3	3	1.46
(3,1314)	1:37:B:LEU:HD22	1:34:B:GLU:HG2	9	1.46
(3,1176)	1:74:B:VAL:HG11	1:73:B:ILE:HG12	15	1.46
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD22	8	1.46
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD21	10	1.46
(3,1065)	1:85:B:GLN:HG3	1:89:B:GLU:HB2	18	1.46
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB2	20	1.46
(3,814)	1:107:B:ALA:HB2	1:84:B:LEU:HA	1	1.46
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG13	1	1.46
(3,690)	1:115:B:VAL:HG23	1:118:B:LEU:HD11	1	1.46
(3,690)	1:115:B:VAL:HG21	1:118:B:LEU:HD12	9	1.46
(3,675)	1:115:B:VAL:HB	1:130:B:LEU:HB2	6	1.46
(3,550)	1:124:B:VAL:HG11	1:118:B:LEU:HB3	2	1.46
(3,541)	1:124:B:VAL:HG22	1:115:B:VAL:HB	18	1.46
(3,357)	1:98:B:LEU:HD11	1:114:B:ILE:H	9	1.46
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	11	1.46
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	15	1.46
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	6	1.46
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	20	1.46
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	20	1.46
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG11	7	1.46
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG12	7	1.46
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG13	7	1.46
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	5	1.46
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	5	1.46
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	5	1.46
(1,2034)	1:57:B:MET:HE3	1:21:B:TYR:HD1	9	1.46
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	5	1.46
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	5	1.46
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	5	1.46
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	15	1.46
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	15	1.46
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	15	1.46
(1,1515)	1:97:B:VAL:HG12	1:123:B:LEU:HB3	17	1.46
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	19	1.46
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	19	1.46
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	19	1.46
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	6	1.46
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	6	1.46
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	6	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	14	1.46
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	14	1.46
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	14	1.46
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	9	1.46
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	9	1.46
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	9	1.46
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	2	1.46
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	2	1.46
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	2	1.46
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	3	1.46
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	3	1.46
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	3	1.46
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	3	1.46
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	3	1.46
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	3	1.46
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	19	1.46
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	19	1.46
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	19	1.46
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	20	1.46
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	20	1.46
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	11	1.46
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	11	1.46
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	11	1.46
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	15	1.46
(3,1671)	1:32:B:VAL:HG11	1:66:B:PHE:H	20	1.45
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG23	11	1.45
(3,1466)	1:50:B:ILE:HD11	1:34:B:GLU:HG2	16	1.45
(3,1392)	1:54:B:LEU:HD13	1:57:B:MET:H	9	1.45
(3,1237)	1:46:B:THR:HG23	1:53:B:HIS:HE1	1	1.45
(3,1234)	1:46:B:THR:HG22	1:47:B:ARG:HD3	11	1.45
(3,1040)	1:127:B:ARG:HD2	1:131:B:TYR:HD2	4	1.45
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	5	1.45
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD11	8	1.45
(3,953)	1:93:B:ASP:HB2	1:97:B:VAL:HG21	7	1.45
(3,911)	1:37:B:LEU:HD11	1:67:B:GLN:HE22	2	1.45
(3,494)	1:82:B:LEU:HD22	1:82:B:LEU:HA	14	1.45
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD21	10	1.45
(3,385)	1:130:B:LEU:HD23	1:115:B:VAL:HB	14	1.45
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	1	1.45
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	18	1.45
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	18	1.45
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	18	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	18	1.45
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	18	1.45
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	18	1.45
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	18	1.45
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	18	1.45
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	18	1.45
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	20	1.45
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	20	1.45
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	20	1.45
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	11	1.45
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	11	1.45
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	11	1.45
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	11	1.45
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	11	1.45
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	11	1.45
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	11	1.45
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	11	1.45
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	11	1.45
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	8	1.45
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	8	1.45
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	8	1.45
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	14	1.45
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	14	1.45
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	14	1.45
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	19	1.45
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	19	1.45
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	19	1.45
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	13	1.45
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	13	1.45
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	13	1.45
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	11	1.45
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	11	1.45
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	11	1.45
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	12	1.45
(3,1733)	1:21:B:TYR:HE1	1:54:B:LEU:HG	18	1.44
(3,1671)	1:32:B:VAL:HG12	1:66:B:PHE:H	14	1.44
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	7	1.44
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	10	1.44
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG23	13	1.44
(3,1038)	1:20:B:LEU:HD11	1:19:B:GLU:H	2	1.44
(3,1012)	1:53:B:HIS:HB2	1:36:B:ILE:HG22	6	1.44
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD21	14	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,999)	1:89:B:GLU:HG2	1:86:B:ARG:HG2	9	1.44
(3,914)	1:98:B:LEU:HD22	1:100:B:HIS:H	6	1.44
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB3	9	1.44
(3,743)	1:114:B:ILE:HD13	1:104:B:ASN:H	4	1.44
(3,352)	1:33:B:VAL:HG11	1:33:B:VAL:H	1	1.44
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD22	3	1.44
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	9	1.44
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	17	1.44
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	12	1.44
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	12	1.44
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	12	1.44
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	11	1.44
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	20	1.44
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	11	1.44
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	11	1.44
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	11	1.44
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	16	1.44
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	16	1.44
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	16	1.44
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	17	1.44
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	17	1.44
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	17	1.44
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	17	1.44
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	17	1.44
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	17	1.44
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	17	1.44
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	17	1.44
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	17	1.44
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	3	1.44
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	3	1.44
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	3	1.44
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	9	1.44
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	9	1.44
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	9	1.44
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	17	1.44
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	17	1.44
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	17	1.44
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	10	1.44
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	1	1.44
(3,1869)	1:118:B:LEU:HD11	1:120:B:ALA:H	1	1.43
(3,1869)	1:118:B:LEU:HD12	1:120:B:ALA:H	8	1.43
(3,1869)	1:118:B:LEU:HD13	1:120:B:ALA:H	19	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1859)	1:8:B:THR:HG23	1:9:B:TRP:HE1	12	1.43
(3,1625)	1:36:B:ILE:HG21	1:33:B:VAL:H	14	1.43
(3,1552)	1:43:B:VAL:HG21	1:42:B:THR:H	11	1.43
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG13	9	1.43
(3,1176)	1:74:B:VAL:HG11	1:73:B:ILE:HG12	13	1.43
(3,999)	1:89:B:GLU:HG2	1:86:B:ARG:HG2	7	1.43
(3,839)	1:102:B:MET:HE1	1:103:B:LYS:HE2	1	1.43
(3,814)	1:107:B:ALA:HB2	1:84:B:LEU:HA	6	1.43
(3,814)	1:107:B:ALA:HB1	1:84:B:LEU:HA	19	1.43
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG13	4	1.43
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	13	1.43
(3,352)	1:33:B:VAL:HG11	1:33:B:VAL:H	2	1.43
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG11	5	1.43
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	11	1.43
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	11	1.43
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	11	1.43
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE1	10	1.43
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE2	10	1.43
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE3	10	1.43
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE1	10	1.43
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE2	10	1.43
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE3	10	1.43
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE1	10	1.43
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE2	10	1.43
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE3	10	1.43
(1,1947)	1:62:B:SER:HB3	1:65:B:ASP:HB3	16	1.43
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	7	1.43
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	7	1.43
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	7	1.43
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	4	1.43
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	18	1.43
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	18	1.43
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	18	1.43
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	5	1.43
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	10	1.43
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	2	1.43
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	2	1.43
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	2	1.43
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	9	1.43
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	9	1.43
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	9	1.43
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	12	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	12	1.43
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	12	1.43
(3,1869)	1:118:B:LEU:HD13	1:120:B:ALA:H	6	1.42
(3,1869)	1:118:B:LEU:HD12	1:120:B:ALA:H	18	1.42
(3,1466)	1:50:B:ILE:HD12	1:13:B:GLU:HG3	15	1.42
(3,1315)	1:59:B:LEU:HD11	1:18:B:ARG:HB3	10	1.42
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	14	1.42
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	2	1.42
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD3	17	1.42
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD3	18	1.42
(3,1182)	1:74:B:VAL:HG22	1:109:B:ARG:HB2	14	1.42
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD23	11	1.42
(3,1035)	1:20:B:LEU:HD13	1:35:B:ALA:HB2	3	1.42
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD23	5	1.42
(3,911)	1:37:B:LEU:HD11	1:67:B:GLN:HE22	10	1.42
(3,903)	1:98:B:LEU:HD23	1:130:B:LEU:HA	10	1.42
(3,865)	1:101:B:ILE:HD13	1:102:B:MET:HG3	6	1.42
(3,839)	1:102:B:MET:HE3	1:103:B:LYS:HE2	10	1.42
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB1	19	1.42
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE1	11	1.42
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE2	11	1.42
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE3	11	1.42
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE1	11	1.42
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE2	11	1.42
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE3	11	1.42
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE1	11	1.42
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE2	11	1.42
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE3	11	1.42
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD1	19	1.42
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	2	1.42
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	2	1.42
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	2	1.42
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	2	1.42
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	2	1.42
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	2	1.42
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	2	1.42
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	2	1.42
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	2	1.42
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	3	1.42
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	3	1.42
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	3	1.42
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	3	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	14	1.42
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	10	1.42
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	10	1.42
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	10	1.42
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG11	11	1.42
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG12	11	1.42
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG13	11	1.42
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	4	1.42
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	4	1.42
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	4	1.42
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	10	1.42
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	10	1.42
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	10	1.42
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	13	1.42
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	13	1.42
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	13	1.42
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	3	1.42
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	3	1.42
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	3	1.42
(3,1875)	1:118:B:LEU:HD12	1:123:B:LEU:HB2	2	1.41
(3,1869)	1:118:B:LEU:HD11	1:120:B:ALA:H	4	1.41
(3,1680)	1:122:B:GLY:HA3	1:123:B:LEU:HD12	5	1.41
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	3	1.41
(3,1276)	1:63:B:VAL:HG22	1:66:B:PHE:HZ	3	1.41
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	9	1.41
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD11	13	1.41
(3,1190)	1:73:B:ILE:HG23	1:74:B:VAL:HB	20	1.41
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD22	3	1.41
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD21	4	1.41
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	17	1.41
(3,825)	1:105:B:ILE:HG22	1:108:B:LYS:HB2	11	1.41
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB1	16	1.41
(3,634)	1:119:B:LEU:HD13	1:88:B:PHE:HZ	15	1.41
(3,550)	1:124:B:VAL:HG12	1:118:B:LEU:HB3	11	1.41
(3,541)	1:124:B:VAL:HG22	1:115:B:VAL:HB	6	1.41
(3,164)	1:76:B:TRP:HE1	1:109:B:ARG:HG2	9	1.41
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	3	1.41
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	8	1.41
(1,1947)	1:62:B:SER:HB3	1:65:B:ASP:HB3	11	1.41
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG2	1	1.41
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG2	1	1.41
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG2	1	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	14	1.41
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	14	1.41
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	14	1.41
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	2	1.41
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	18	1.41
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	18	1.41
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	18	1.41
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	18	1.41
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	18	1.41
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	18	1.41
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	19	1.41
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	19	1.41
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	19	1.41
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	9	1.41
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	9	1.41
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	9	1.41
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	9	1.41
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	9	1.41
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	9	1.41
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	9	1.41
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	9	1.41
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	9	1.41
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	5	1.41
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	5	1.41
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	5	1.41
(3,1670)	1:32:B:VAL:HG21	1:37:B:LEU:H	9	1.4
(3,1605)	1:37:B:LEU:HA	1:39:B:HIS:HB3	20	1.4
(3,1575)	1:40:B:LEU:HD12	1:45:B:ARG:HD3	4	1.4
(3,1552)	1:43:B:VAL:HG22	1:42:B:THR:H	3	1.4
(3,1384)	1:54:B:LEU:HD21	1:59:B:LEU:HB2	7	1.4
(3,1276)	1:63:B:VAL:HG21	1:67:B:GLN:HE22	18	1.4
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	7	1.4
(3,866)	1:105:B:ILE:HD13	1:109:B:ARG:HD3	14	1.4
(3,807)	1:107:B:ALA:HB3	1:74:B:VAL:HG12	12	1.4
(3,793)	1:109:B:ARG:HD3	1:105:B:ILE:HD11	1	1.4
(3,596)	1:20:B:LEU:HD22	1:40:B:LEU:HG	20	1.4
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD11	14	1.4
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	3	1.4
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	3	1.4
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	3	1.4
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	6	1.4
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	19	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2390)	1:36:B:ILE:HG13	1:35:B:ALA:H	16	1.4
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG21	19	1.4
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG22	19	1.4
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG23	19	1.4
(1,2034)	1:57:B:MET:HE3	1:21:B:TYR:HD2	3	1.4
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	15	1.4
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	15	1.4
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	15	1.4
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	15	1.4
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	15	1.4
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	15	1.4
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	15	1.4
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	15	1.4
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	15	1.4
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	16	1.4
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	17	1.4
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	17	1.4
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	17	1.4
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	11	1.4
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	11	1.4
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	11	1.4
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	4	1.4
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	4	1.4
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	4	1.4
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	3	1.4
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	3	1.4
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	3	1.4
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	12	1.4
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	12	1.4
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	12	1.4
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	12	1.4
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	12	1.4
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	12	1.4
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	12	1.4
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	12	1.4
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	12	1.4
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	9	1.4
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	9	1.4
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	9	1.4
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	1	1.4
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	1	1.4
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	1	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	5	1.4
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	5	1.4
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	5	1.4
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	5	1.4
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	5	1.4
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	5	1.4
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	5	1.4
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	5	1.4
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	5	1.4
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	5	1.4
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	5	1.4
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	5	1.4
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	7	1.4
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	7	1.4
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	7	1.4
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB1	15	1.4
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB2	15	1.4
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB3	15	1.4
(3,1869)	1:118:B:LEU:HD12	1:120:B:ALA:H	9	1.39
(3,1683)	1:135:B:GLN:HB2	1:136:B:LYS:HG3	15	1.39
(3,1575)	1:40:B:LEU:HD12	1:41:B:ASN:HB3	16	1.39
(3,1466)	1:50:B:ILE:HD11	1:13:B:GLU:HG2	12	1.39
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	6	1.39
(3,1189)	1:73:B:ILE:HG23	1:113:B:ARG:HB3	13	1.39
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB2	16	1.39
(3,596)	1:84:B:LEU:HD22	1:114:B:ILE:HG13	16	1.39
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD22	6	1.39
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD22	14	1.39
(3,377)	1:98:B:LEU:HD12	1:111:B:ARG:HD2	8	1.39
(3,352)	1:33:B:VAL:HG11	1:33:B:VAL:H	12	1.39
(3,318)	1:135:B:GLN:HE21	1:129:B:GLU:HB3	19	1.39
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG13	14	1.39
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG21	11	1.39
(1,2556)	1:17:B:LEU:HD21	1:54:B:LEU:HA	11	1.39
(1,2556)	1:17:B:LEU:HD22	1:54:B:LEU:HA	11	1.39
(1,2556)	1:17:B:LEU:HD23	1:54:B:LEU:HA	11	1.39
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	9	1.39
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	9	1.39
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	2	1.39
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	10	1.39
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	19	1.39
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	19	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	19	1.39
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HG3	6	1.39
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	4	1.39
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	11	1.39
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	12	1.39
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	12	1.39
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	12	1.39
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	9	1.39
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	9	1.39
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	9	1.39
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	19	1.39
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	19	1.39
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	19	1.39
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	19	1.39
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	19	1.39
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	19	1.39
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	19	1.39
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	19	1.39
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	19	1.39
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	2	1.39
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	4	1.39
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	15	1.39
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	15	1.39
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	15	1.39
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	13	1.39
(3,1625)	1:36:B:ILE:HG21	1:33:B:VAL:H	15	1.38
(3,1387)	1:54:B:LEU:HD21	1:53:B:HIS:HA	1	1.38
(3,1387)	1:54:B:LEU:HD23	1:53:B:HIS:HA	9	1.38
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	19	1.38
(3,1182)	1:74:B:VAL:HG23	1:109:B:ARG:HB2	1	1.38
(3,839)	1:102:B:MET:HE3	1:103:B:LYS:HE2	18	1.38
(3,743)	1:114:B:ILE:HD12	1:104:B:ASN:H	16	1.38
(3,585)	1:121:B:LEU:HD13	1:81:B:GLU:H	5	1.38
(3,385)	1:130:B:LEU:HD21	1:115:B:VAL:HB	16	1.38
(3,195)	1:86:B:ARG:H	1:90:B:GLU:HG2	12	1.38
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG11	15	1.38
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG12	15	1.38
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG13	15	1.38
(1,2006)	1:29:B:GLY:HA2	1:30:B:GLN:HG3	20	1.38
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	16	1.38
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	16	1.38
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	16	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	6	1.38
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	6	1.38
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	6	1.38
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	13	1.38
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	13	1.38
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	13	1.38
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	8	1.38
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	8	1.38
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	8	1.38
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	8	1.38
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	8	1.38
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	8	1.38
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	16	1.38
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	3	1.38
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	14	1.38
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	14	1.38
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	14	1.38
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	17	1.38
(3,1671)	1:32:B:VAL:HG13	1:66:B:PHE:H	13	1.37
(3,1590)	1:39:B:HIS:HD2	1:40:B:LEU:HB2	14	1.37
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG23	10	1.37
(3,1276)	1:63:B:VAL:HG22	1:66:B:PHE:HZ	1	1.37
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	1	1.37
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG12	5	1.37
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG13	12	1.37
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	19	1.37
(3,1110)	1:82:B:LEU:HD12	1:87:B:LEU:H	8	1.37
(3,914)	1:98:B:LEU:HD22	1:130:B:LEU:H	4	1.37
(3,825)	1:105:B:ILE:HG22	1:108:B:LYS:HB3	4	1.37
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB2	13	1.37
(3,495)	1:130:B:LEU:HD13	1:115:B:VAL:HB	12	1.37
(3,385)	1:130:B:LEU:HD21	1:115:B:VAL:HB	1	1.37
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG13	9	1.37
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD23	13	1.37
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	11	1.37
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	16	1.37
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	9	1.37
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	9	1.37
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	9	1.37
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	3	1.37
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	3	1.37
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	3	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	10	1.37
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	13	1.37
(1,2361)	1:38:B:ALA:HB1	1:50:B:ILE:HB	15	1.37
(1,2361)	1:38:B:ALA:HB2	1:50:B:ILE:HB	15	1.37
(1,2361)	1:38:B:ALA:HB3	1:50:B:ILE:HB	15	1.37
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	16	1.37
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	16	1.37
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	16	1.37
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	16	1.37
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	16	1.37
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	16	1.37
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	16	1.37
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	16	1.37
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	16	1.37
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	9	1.37
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	9	1.37
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	9	1.37
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	6	1.37
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	6	1.37
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	6	1.37
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	10	1.37
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	10	1.37
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	10	1.37
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	18	1.37
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	18	1.37
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	18	1.37
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	20	1.37
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	20	1.37
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	20	1.37
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	10	1.37
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	10	1.37
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	10	1.37
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	10	1.37
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	10	1.37
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	10	1.37
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	10	1.37
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	10	1.37
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	10	1.37
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	1	1.37
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	1	1.37
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	1	1.37
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	8	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	20	1.37
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	19	1.37
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	19	1.37
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	19	1.37
(3,1790)	1:16:B:HIS:HB3	1:40:B:LEU:HB2	6	1.36
(3,1770)	1:17:B:LEU:HD22	1:13:B:GLU:HG3	4	1.36
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	2	1.36
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	4	1.36
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	10	1.36
(3,1315)	1:59:B:LEU:HD13	1:18:B:ARG:HB3	18	1.36
(3,1190)	1:73:B:ILE:HG22	1:74:B:VAL:HB	4	1.36
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD22	12	1.36
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD23	17	1.36
(3,911)	1:37:B:LEU:HD11	1:67:B:GLN:HE22	6	1.36
(3,839)	1:102:B:MET:HE3	1:103:B:LYS:HE2	19	1.36
(3,815)	1:106:B:THR:HG23	1:83:B:GLU:H	18	1.36
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	14	1.36
(3,602)	1:121:B:LEU:HD11	1:85:B:GLN:HG2	20	1.36
(3,541)	1:124:B:VAL:HG21	1:129:B:GLU:HB3	14	1.36
(3,480)	1:131:B:TYR:HB3	1:133:B:LYS:HD2	13	1.36
(3,357)	1:98:B:LEU:HD12	1:114:B:ILE:H	12	1.36
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	19	1.36
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	19	1.36
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	19	1.36
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	6	1.36
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	6	1.36
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	6	1.36
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	12	1.36
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	17	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	6	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	6	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	6	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	8	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	8	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	8	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	11	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	11	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	11	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	13	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	13	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	13	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	15	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	15	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	15	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	19	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	19	1.36
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	19	1.36
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	5	1.36
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	5	1.36
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	5	1.36
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	2	1.36
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	2	1.36
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	2	1.36
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	2	1.36
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	2	1.36
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	2	1.36
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	2	1.36
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	2	1.36
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	2	1.36
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	3	1.36
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	3	1.36
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	3	1.36
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	3	1.36
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	3	1.36
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	3	1.36
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	3	1.36
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	3	1.36
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	3	1.36
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	8	1.36
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	8	1.36
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	8	1.36
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	11	1.36
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	11	1.36
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	11	1.36
(1,1142)	1:75:B:LEU:HG	1:74:B:VAL:HA	15	1.36
(1,1070)	1:124:B:VAL:HG22	1:130:B:LEU:HB3	19	1.36
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	6	1.36
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	6	1.36
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	6	1.36
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	10	1.36
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	18	1.36
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HB	6	1.36
(3,1764)	1:17:B:LEU:HD11	1:57:B:MET:HE3	7	1.35
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	1	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1392)	1:54:B:LEU:HD11	1:57:B:MET:H	12	1.35
(3,1387)	1:54:B:LEU:HD23	1:53:B:HIS:HA	14	1.35
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	20	1.35
(3,1321)	1:37:B:LEU:HD22	1:34:B:GLU:H	5	1.35
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE1	20	1.35
(3,1272)	1:63:B:VAL:HG23	1:64:B:LYS:HD3	9	1.35
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG13	11	1.35
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG21	2	1.35
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	9	1.35
(3,1074)	1:84:B:LEU:HD11	1:118:B:LEU:HD12	13	1.35
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD13	19	1.35
(3,916)	1:37:B:LEU:HD11	1:50:B:ILE:H	8	1.35
(3,914)	1:98:B:LEU:HD23	1:130:B:LEU:H	8	1.35
(3,903)	1:98:B:LEU:HD23	1:130:B:LEU:HA	7	1.35
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB3	5	1.35
(3,814)	1:107:B:ALA:HB3	1:84:B:LEU:HA	4	1.35
(3,712)	1:87:B:LEU:HD13	1:103:B:LYS:H	6	1.35
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	2	1.35
(3,589)	1:84:B:LEU:HD21	1:118:B:LEU:H	6	1.35
(3,558)	1:84:B:LEU:HD21	1:118:B:LEU:HA	5	1.35
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	14	1.35
(3,479)	1:131:B:TYR:HB3	1:132:B:LYS:HB2	10	1.35
(3,377)	1:98:B:LEU:HD11	1:111:B:ARG:HD2	1	1.35
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	9	1.35
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	18	1.35
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	18	1.35
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	18	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	3	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	3	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	3	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	5	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	5	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	5	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	9	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	9	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	9	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	16	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	16	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	16	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	20	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	20	1.35
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	20	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	2	1.35
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	2	1.35
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	2	1.35
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE3	14	1.35
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	7	1.35
(1,1515)	1:97:B:VAL:HG12	1:123:B:LEU:HB3	4	1.35
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	8	1.35
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	8	1.35
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	8	1.35
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	4	1.35
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	4	1.35
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	4	1.35
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	7	1.35
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	7	1.35
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	7	1.35
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	7	1.35
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	7	1.35
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	7	1.35
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	7	1.35
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	7	1.35
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	7	1.35
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	10	1.35
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	10	1.35
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	10	1.35
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG11	8	1.35
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG12	8	1.35
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG13	8	1.35
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG11	8	1.35
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG12	8	1.35
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG13	8	1.35
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	13	1.35
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	5	1.35
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	5	1.35
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	5	1.35
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HB	5	1.35
(3,1869)	1:118:B:LEU:HD13	1:120:B:ALA:H	3	1.34
(3,1869)	1:118:B:LEU:HD11	1:120:B:ALA:H	13	1.34
(3,1859)	1:42:B:THR:HG21	1:9:B:TRP:HE1	19	1.34
(3,1528)	1:46:B:THR:HB	1:45:B:ARG:HG2	3	1.34
(3,1348)	1:56:B:GLN:HG2	1:53:B:HIS:HB3	4	1.34
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD23	6	1.34
(3,1298)	1:8:B:THR:HG21	1:7:B:PRO:HB3	13	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1274)	1:63:B:VAL:HG23	1:64:B:LYS:HE2	16	1.34
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	10	1.34
(3,1234)	1:46:B:THR:HG23	1:47:B:ARG:HD3	3	1.34
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG13	17	1.34
(3,1171)	1:74:B:VAL:HG12	1:76:B:TRP:HE1	8	1.34
(3,1137)	1:52:B:HIS:HB3	1:55:B:VAL:HB	13	1.34
(3,1113)	1:82:B:LEU:HD11	1:85:B:GLN:HB3	14	1.34
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD22	20	1.34
(3,927)	1:97:B:VAL:HG12	1:98:B:LEU:HG	13	1.34
(3,825)	1:105:B:ILE:HG21	1:108:B:LYS:HB3	8	1.34
(3,797)	1:133:B:LYS:HG3	1:135:B:GLN:HG2	9	1.34
(3,747)	1:114:B:ILE:HD13	1:105:B:ILE:HG12	19	1.34
(3,596)	1:20:B:LEU:HD22	1:40:B:LEU:HG	12	1.34
(3,325)	1:141:B:SER:H	1:128:B:ARG:HB3	19	1.34
(3,218)	1:99:B:GLY:H	1:102:B:MET:HB3	12	1.34
(3,192)	1:85:B:GLN:HE22	1:121:B:LEU:HD23	10	1.34
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	16	1.34
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	10	1.34
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG2	6	1.34
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG21	16	1.34
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG22	16	1.34
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG23	16	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	2	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	2	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	2	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	10	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	10	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	10	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	12	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	12	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	12	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	14	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	14	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	14	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	17	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	17	1.34
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	17	1.34
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	19	1.34
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	19	1.34
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	19	1.34
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	8	1.34
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HB3	4	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	11	1.34
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	11	1.34
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	11	1.34
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	20	1.34
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	20	1.34
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	20	1.34
(1,1517)	1:97:B:VAL:HG11	1:98:B:LEU:HB2	5	1.34
(1,1517)	1:97:B:VAL:HG12	1:98:B:LEU:HB2	5	1.34
(1,1517)	1:97:B:VAL:HG13	1:98:B:LEU:HB2	5	1.34
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	17	1.34
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	17	1.34
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	17	1.34
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	4	1.34
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	4	1.34
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	4	1.34
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	12	1.34
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	12	1.34
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	12	1.34
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	12	1.34
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	12	1.34
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	12	1.34
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	12	1.34
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	12	1.34
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	12	1.34
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	7	1.34
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	7	1.34
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	7	1.34
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	20	1.34
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	20	1.34
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	20	1.34
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	3	1.34
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	3	1.34
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	3	1.34
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE1	9	1.34
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE2	9	1.34
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE1	9	1.34
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE2	9	1.34
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE1	9	1.34
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE2	9	1.34
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	19	1.34
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	8	1.34
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	8	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	8	1.34
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	15	1.34
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	11	1.34
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	11	1.34
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	11	1.34
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE3	15	1.33
(3,1770)	1:17:B:LEU:HD23	1:14:B:GLU:HB2	19	1.33
(3,1625)	1:36:B:ILE:HG23	1:33:B:VAL:H	20	1.33
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	20	1.33
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE2	13	1.33
(3,1298)	1:8:B:THR:HG22	1:7:B:PRO:HB3	15	1.33
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG11	15	1.33
(3,1065)	1:85:B:GLN:HG3	1:89:B:GLU:HB2	10	1.33
(3,999)	1:89:B:GLU:HG2	1:86:B:ARG:HG2	11	1.33
(3,807)	1:107:B:ALA:HB1	1:74:B:VAL:HG12	13	1.33
(3,790)	1:109:B:ARG:HD2	1:84:B:LEU:HD11	6	1.33
(3,602)	1:121:B:LEU:HD11	1:85:B:GLN:HG2	5	1.33
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	2	1.33
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	2	1.33
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	16	1.33
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	16	1.33
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	16	1.33
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	1	1.33
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	1	1.33
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	1	1.33
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HB3	2	1.33
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG11	12	1.33
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG12	12	1.33
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG13	12	1.33
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	13	1.33
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	13	1.33
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	13	1.33
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	17	1.33
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	17	1.33
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	17	1.33
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	10	1.33
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	10	1.33
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	10	1.33
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	6	1.33
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	6	1.33
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	6	1.33
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	8	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	8	1.33
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	8	1.33
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	10	1.33
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	10	1.33
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	10	1.33
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	17	1.33
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	17	1.33
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	17	1.33
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	2	1.33
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	2	1.33
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	2	1.33
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	9	1.33
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	9	1.33
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	9	1.33
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	4	1.33
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	4	1.33
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	4	1.33
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	4	1.33
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	4	1.33
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	4	1.33
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	14	1.33
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	14	1.33
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	14	1.33
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	14	1.33
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	14	1.33
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	14	1.33
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	1	1.33
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	19	1.33
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	19	1.33
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	19	1.33
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	14	1.33
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	14	1.33
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	14	1.33
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	14	1.33
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	14	1.33
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	14	1.33
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	14	1.33
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	14	1.33
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	14	1.33
(1,951)	1:131:B:TYR:HE1	1:129:B:GLU:HG2	20	1.33
(1,951)	1:131:B:TYR:HE2	1:129:B:GLU:HG2	20	1.33
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	3	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	3	1.33
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	2	1.33
(3,1764)	1:17:B:LEU:HD11	1:57:B:MET:HE3	5	1.32
(3,1663)	1:32:B:VAL:HG12	1:33:B:VAL:HG13	9	1.32
(3,1625)	1:36:B:ILE:HG21	1:33:B:VAL:H	17	1.32
(3,1590)	1:39:B:HIS:HD2	1:37:B:LEU:HB3	1	1.32
(3,1267)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	14	1.32
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD12	19	1.32
(3,1189)	1:73:B:ILE:HG21	1:113:B:ARG:HB3	12	1.32
(3,1180)	1:74:B:VAL:HG22	1:76:B:TRP:HZ3	8	1.32
(3,1139)	1:72:B:HIS:HB2	1:73:B:ILE:HG13	10	1.32
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG12	2	1.32
(3,999)	1:34:B:GLU:HG2	1:47:B:ARG:HB3	16	1.32
(3,838)	1:102:B:MET:HE1	1:101:B:ILE:HA	6	1.32
(3,747)	1:114:B:ILE:HD12	1:117:B:LYS:HB3	13	1.32
(3,743)	1:114:B:ILE:HD13	1:104:B:ASN:H	8	1.32
(3,558)	1:84:B:LEU:HD23	1:101:B:ILE:HA	13	1.32
(3,541)	1:124:B:VAL:HG23	1:115:B:VAL:HB	17	1.32
(3,479)	1:131:B:TYR:HB3	1:132:B:LYS:HB2	17	1.32
(3,318)	1:135:B:GLN:HE21	1:129:B:GLU:HB3	6	1.32
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	8	1.32
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	8	1.32
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	8	1.32
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	9	1.32
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	19	1.32
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	14	1.32
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	14	1.32
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	14	1.32
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	15	1.32
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	6	1.32
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	6	1.32
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	6	1.32
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	7	1.32
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	7	1.32
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	7	1.32
(1,1947)	1:62:B:SER:HB3	1:65:B:ASP:HB3	7	1.32
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	19	1.32
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	19	1.32
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	19	1.32
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	10	1.32
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	10	1.32
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	20	1.32
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	20	1.32
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	20	1.32
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE2	16	1.32
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	12	1.32
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	12	1.32
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	12	1.32
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	12	1.32
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	12	1.32
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	12	1.32
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	11	1.32
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	11	1.32
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	11	1.32
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	16	1.32
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	19	1.32
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	7	1.32
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	1	1.32
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	1	1.32
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	1	1.32
(3,1864)	1:6:B:ALA:HB1	1:45:B:ARG:HD3	7	1.31
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	18	1.31
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	8	1.31
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE2	11	1.31
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB3	2	1.31
(3,1751)	1:18:B:ARG:HD3	1:22:B:LEU:HD12	9	1.31
(3,1466)	1:50:B:ILE:HD12	1:13:B:GLU:HG3	2	1.31
(3,1387)	1:54:B:LEU:HD21	1:53:B:HIS:HA	5	1.31
(3,1321)	1:37:B:LEU:HD22	1:34:B:GLU:H	17	1.31
(3,1315)	1:59:B:LEU:HD12	1:18:B:ARG:HB3	12	1.31
(3,1276)	1:63:B:VAL:HG23	1:67:B:GLN:HE22	12	1.31
(3,1276)	1:63:B:VAL:HG21	1:66:B:PHE:HZ	14	1.31
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	15	1.31
(3,1234)	1:46:B:THR:HG23	1:47:B:ARG:HD3	4	1.31
(3,1038)	1:20:B:LEU:HD13	1:19:B:GLU:H	14	1.31
(3,674)	1:63:B:VAL:HB	1:51:B:ILE:HD11	1	1.31
(3,377)	1:98:B:LEU:HD13	1:111:B:ARG:HD2	3	1.31
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	20	1.31
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	20	1.31
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	20	1.31
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG21	15	1.31
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG22	15	1.31
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG23	15	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	18	1.31
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	18	1.31
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	18	1.31
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	12	1.31
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	12	1.31
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	12	1.31
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	17	1.31
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	17	1.31
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	1	1.31
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	1	1.31
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	1	1.31
(1,1515)	1:97:B:VAL:HG12	1:123:B:LEU:HB3	7	1.31
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	15	1.31
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	15	1.31
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	15	1.31
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	13	1.31
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	13	1.31
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	13	1.31
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	13	1.31
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	13	1.31
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	13	1.31
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	18	1.31
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	18	1.31
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	18	1.31
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	18	1.31
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	18	1.31
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	18	1.31
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	15	1.31
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	15	1.31
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	15	1.31
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	15	1.31
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	15	1.31
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	15	1.31
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	15	1.31
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	15	1.31
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	15	1.31
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	16	1.31
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	16	1.31
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	16	1.31
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	16	1.31
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	16	1.31
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	16	1.31
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	16	1.31
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	16	1.31
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	6	1.31
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	6	1.31
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	6	1.31
(1,1138)	1:121:B:LEU:HD12	1:85:B:GLN:HB2	8	1.31
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	20	1.31
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	20	1.31
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	20	1.31
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE1	16	1.31
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE2	16	1.31
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE1	16	1.31
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE2	16	1.31
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE1	16	1.31
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE2	16	1.31
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	15	1.31
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	15	1.31
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	15	1.31
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	12	1.31
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	3	1.3
(3,1314)	1:37:B:LEU:HD23	1:34:B:GLU:HG2	1	1.3
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	8	1.3
(3,1189)	1:73:B:ILE:HG22	1:113:B:ARG:HB3	6	1.3
(3,1188)	1:73:B:ILE:HG21	1:109:B:ARG:HD3	5	1.3
(3,1186)	1:73:B:ILE:HD13	1:74:B:VAL:HB	1	1.3
(3,1110)	1:82:B:LEU:HD12	1:87:B:LEU:H	4	1.3
(3,1074)	1:84:B:LEU:HD13	1:118:B:LEU:HD12	5	1.3
(3,1027)	1:88:B:PHE:HA	1:123:B:LEU:HB3	5	1.3
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	2	1.3
(3,916)	1:37:B:LEU:HD12	1:50:B:ILE:H	2	1.3
(3,839)	1:102:B:MET:HE1	1:103:B:LYS:HE2	11	1.3
(3,596)	1:20:B:LEU:HD23	1:40:B:LEU:HG	15	1.3
(3,385)	1:130:B:LEU:HD21	1:115:B:VAL:HB	3	1.3
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	4	1.3
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	4	1.3
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	4	1.3
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	13	1.3
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	13	1.3
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	13	1.3
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	9	1.3
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	9	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	9	1.3
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG21	20	1.3
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG22	20	1.3
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG23	20	1.3
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	4	1.3
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	4	1.3
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	4	1.3
(1,1947)	1:62:B:SER:HB3	1:65:B:ASP:HB3	14	1.3
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	9	1.3
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	9	1.3
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	9	1.3
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	1	1.3
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	1	1.3
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	1	1.3
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	1	1.3
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	1	1.3
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	1	1.3
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	1	1.3
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	1	1.3
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	1	1.3
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	14	1.3
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	14	1.3
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	14	1.3
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	14	1.3
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	14	1.3
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	14	1.3
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	14	1.3
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	14	1.3
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	14	1.3
(1,1566)	1:92:B:ARG:HG2	1:93:B:ASP:HB3	11	1.3
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	17	1.3
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	17	1.3
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	17	1.3
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	16	1.3
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	16	1.3
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	16	1.3
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	15	1.3
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	15	1.3
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	15	1.3
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	18	1.3
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	18	1.3
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	14	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	17	1.3
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	16	1.3
(3,1859)	1:8:B:THR:HG23	1:9:B:TRP:HE1	9	1.29
(3,1733)	1:21:B:TYR:HE1	1:57:B:MET:HB3	12	1.29
(3,1610)	1:37:B:LEU:HD22	1:36:B:ILE:H	15	1.29
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG3	2	1.29
(3,1454)	1:51:B:ILE:HD11	1:49:B:GLN:H	7	1.29
(3,1234)	1:46:B:THR:HG23	1:52:B:HIS:HB2	19	1.29
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG11	6	1.29
(3,1174)	1:74:B:VAL:HG12	1:117:B:LYS:HB3	11	1.29
(3,541)	1:124:B:VAL:HG21	1:129:B:GLU:HB3	7	1.29
(3,479)	1:131:B:TYR:HB3	1:133:B:LYS:HB3	7	1.29
(3,479)	1:131:B:TYR:HB3	1:132:B:LYS:HB2	9	1.29
(3,358)	1:98:B:LEU:HD11	1:117:B:LYS:H	17	1.29
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	11	1.29
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	11	1.29
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	11	1.29
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	9	1.29
(1,2276)	1:43:B:VAL:HG22	1:49:B:GLN:HG3	10	1.29
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	2	1.29
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	2	1.29
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	2	1.29
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	16	1.29
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	16	1.29
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	16	1.29
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	2	1.29
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	2	1.29
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	2	1.29
(1,1799)	1:138:B:LEU:HB3	1:136:B:LYS:HE3	16	1.29
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	7	1.29
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	7	1.29
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	7	1.29
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	4	1.29
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	4	1.29
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	4	1.29
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	7	1.29
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	7	1.29
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	7	1.29
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	18	1.29
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	18	1.29
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	18	1.29
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	1	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	1	1.29
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	1	1.29
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	19	1.29
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	19	1.29
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	19	1.29
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	19	1.29
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	19	1.29
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	19	1.29
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	16	1.29
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	16	1.29
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	16	1.29
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	18	1.29
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	18	1.29
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	18	1.29
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	17	1.29
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	17	1.29
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	17	1.29
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	17	1.29
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	17	1.29
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	17	1.29
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	17	1.29
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	17	1.29
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	17	1.29
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	20	1.29
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	20	1.29
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	20	1.29
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	20	1.29
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	20	1.29
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	20	1.29
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	20	1.29
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	20	1.29
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	20	1.29
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	10	1.29
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	10	1.29
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	10	1.29
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	10	1.29
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD21	16	1.28
(3,1625)	1:36:B:ILE:HG22	1:33:B:VAL:H	5	1.28
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG3	11	1.28
(3,1466)	1:50:B:ILE:HD11	1:13:B:GLU:HG2	3	1.28
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	3	1.28
(3,1319)	1:37:B:LEU:HD21	1:66:B:PHE:HE1	7	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1174)	1:74:B:VAL:HG13	1:75:B:LEU:HG	9	1.28
(3,865)	1:101:B:ILE:HD11	1:102:B:MET:HG3	8	1.28
(3,815)	1:106:B:THR:HG23	1:83:B:GLU:H	13	1.28
(3,685)	1:84:B:LEU:HD12	1:117:B:LYS:HB2	8	1.28
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD22	11	1.28
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD13	16	1.28
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	3	1.28
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	13	1.28
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	13	1.28
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	13	1.28
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	4	1.28
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	4	1.28
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	4	1.28
(1,2562)	1:17:B:LEU:HD11	1:9:B:TRP:HH2	6	1.28
(1,2562)	1:17:B:LEU:HD12	1:9:B:TRP:HH2	6	1.28
(1,2562)	1:17:B:LEU:HD13	1:9:B:TRP:HH2	6	1.28
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	20	1.28
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	20	1.28
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	20	1.28
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	5	1.28
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	5	1.28
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	5	1.28
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	16	1.28
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	16	1.28
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	16	1.28
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG21	16	1.28
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG22	16	1.28
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG23	16	1.28
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	20	1.28
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	20	1.28
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	20	1.28
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	9	1.28
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	9	1.28
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	9	1.28
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	15	1.28
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	15	1.28
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	15	1.28
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	6	1.28
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD21	12	1.28
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD22	12	1.28
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD23	12	1.28
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	12	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	12	1.28
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	12	1.28
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	3	1.28
(1,1142)	1:75:B:LEU:HG	1:74:B:VAL:HA	20	1.28
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	12	1.28
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	12	1.28
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	12	1.28
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG21	6	1.28
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG22	6	1.28
(1,736)	1:120:B:ALA:H	1:71:B:THR:HG23	6	1.28
(3,1770)	1:17:B:LEU:HD21	1:13:B:GLU:HG3	14	1.27
(3,1683)	1:86:B:ARG:HB3	1:90:B:GLU:HB3	2	1.27
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD23	13	1.27
(3,1665)	1:32:B:VAL:HG11	1:37:B:LEU:HG	1	1.27
(3,1664)	1:32:B:VAL:HG11	1:37:B:LEU:HG	1	1.27
(3,1466)	1:50:B:ILE:HD13	1:13:B:GLU:HG2	13	1.27
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG11	1	1.27
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	14	1.27
(3,1243)	1:70:B:GLY:HA3	1:63:B:VAL:HB	18	1.27
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	1	1.27
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	8	1.27
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG11	7	1.27
(3,1074)	1:84:B:LEU:HD13	1:118:B:LEU:HD12	20	1.27
(3,914)	1:98:B:LEU:HD23	1:130:B:LEU:H	7	1.27
(3,903)	1:98:B:LEU:HD22	1:130:B:LEU:HA	4	1.27
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	11	1.27
(3,619)	1:119:B:LEU:HD13	1:126:B:GLU:HB2	8	1.27
(3,485)	1:131:B:TYR:HE1	1:130:B:LEU:HB2	11	1.27
(3,480)	1:131:B:TYR:HB3	1:133:B:LYS:HD3	4	1.27
(3,218)	1:99:B:GLY:H	1:102:B:MET:HB3	16	1.27
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	4	1.27
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	4	1.27
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	4	1.27
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	9	1.27
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD11	8	1.27
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD12	8	1.27
(1,2590)	1:15:B:ALA:HB1	1:59:B:LEU:HD13	8	1.27
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD11	8	1.27
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD12	8	1.27
(1,2590)	1:15:B:ALA:HB2	1:59:B:LEU:HD13	8	1.27
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD11	8	1.27
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD12	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:15:B:ALA:HB3	1:59:B:LEU:HD13	8	1.27
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	14	1.27
(1,2282)	1:43:B:VAL:HG11	1:49:B:GLN:HB2	18	1.27
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	15	1.27
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	15	1.27
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	15	1.27
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	16	1.27
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	16	1.27
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	16	1.27
(1,1882)	1:67:B:GLN:HG2	1:64:B:LYS:HA	1	1.27
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	14	1.27
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG11	13	1.27
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG12	13	1.27
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG13	13	1.27
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	5	1.27
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	5	1.27
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	5	1.27
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	8	1.27
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	8	1.27
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	8	1.27
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	12	1.27
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	18	1.27
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	18	1.27
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	18	1.27
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	3	1.27
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	3	1.27
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	3	1.27
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	11	1.27
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	11	1.27
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	11	1.27
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	11	1.27
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	11	1.27
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	11	1.27
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	6	1.27
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	6	1.27
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	6	1.27
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	6	1.27
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	6	1.27
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	6	1.27
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	6	1.27
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	6	1.27
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	6	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	13	1.27
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	13	1.27
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	13	1.27
(1,1070)	1:124:B:VAL:HG22	1:130:B:LEU:HG	6	1.27
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	10	1.27
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	10	1.27
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	10	1.27
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	10	1.27
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	10	1.27
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	10	1.27
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	10	1.27
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	10	1.27
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	10	1.27
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	9	1.27
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	9	1.27
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	9	1.27
(3,1770)	1:17:B:LEU:HD22	1:14:B:GLU:HB2	12	1.26
(3,1764)	1:17:B:LEU:HD12	1:57:B:MET:HE2	17	1.26
(3,1670)	1:32:B:VAL:HG22	1:22:B:LEU:H	5	1.26
(3,1521)	1:128:B:ARG:HD3	1:126:B:GLU:HG3	8	1.26
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	17	1.26
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE1	4	1.26
(3,1267)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	1	1.26
(3,1228)	1:71:B:THR:HB	1:73:B:ILE:HG13	18	1.26
(3,1171)	1:74:B:VAL:HG13	1:76:B:TRP:HE1	10	1.26
(3,1074)	1:84:B:LEU:HD12	1:118:B:LEU:HD13	2	1.26
(3,838)	1:102:B:MET:HE1	1:99:B:GLY:HA3	1	1.26
(3,749)	1:114:B:ILE:HD12	1:118:B:LEU:HD23	2	1.26
(3,690)	1:115:B:VAL:HG22	1:118:B:LEU:HD12	14	1.26
(3,673)	1:115:B:VAL:HB	1:130:B:LEU:HB2	6	1.26
(3,541)	1:124:B:VAL:HG23	1:129:B:GLU:HB3	8	1.26
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB2	3	1.26
(3,495)	1:130:B:LEU:HD12	1:115:B:VAL:HB	20	1.26
(3,352)	1:33:B:VAL:HG12	1:34:B:GLU:H	3	1.26
(3,257)	1:116:B:ASP:H	1:118:B:LEU:HB3	20	1.26
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG13	13	1.26
(2,7)	1:68:B:ARG:H	1:64:B:LYS:HB3	5	1.26
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	19	1.26
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	19	1.26
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	19	1.26
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	1	1.26
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	1	1.26
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	18	1.26
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD1	11	1.26
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	16	1.26
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	16	1.26
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	16	1.26
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	10	1.26
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	10	1.26
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	10	1.26
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	13	1.26
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	13	1.26
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	13	1.26
(1,1515)	1:97:B:VAL:HG13	1:123:B:LEU:HB3	1	1.26
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	16	1.26
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	16	1.26
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	16	1.26
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	12	1.26
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	12	1.26
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	12	1.26
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	8	1.26
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	8	1.26
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	8	1.26
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	11	1.26
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	4	1.26
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	9	1.26
(3,1875)	1:118:B:LEU:HD13	1:123:B:LEU:HB2	11	1.25
(3,1859)	1:8:B:THR:HG23	1:9:B:TRP:HE1	1	1.25
(3,1859)	1:8:B:THR:HG22	1:9:B:TRP:HE1	2	1.25
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	4	1.25
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	3	1.25
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE3	20	1.25
(3,1683)	1:135:B:GLN:HB2	1:136:B:LYS:HG2	20	1.25
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD21	20	1.25
(3,1655)	1:33:B:VAL:HA	1:33:B:VAL:HG21	6	1.25
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	19	1.25
(3,1384)	1:54:B:LEU:HD21	1:60:B:ALA:HB2	17	1.25
(3,1384)	1:54:B:LEU:HD23	1:59:B:LEU:HB2	18	1.25
(3,1321)	1:37:B:LEU:HD23	1:34:B:GLU:H	13	1.25
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	4	1.25
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	9	1.25
(3,1234)	1:46:B:THR:HG23	1:47:B:ARG:HD3	7	1.25
(3,1182)	1:74:B:VAL:HG23	1:109:B:ARG:HB2	11	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1139)	1:72:B:HIS:HB2	1:73:B:ILE:HG13	4	1.25
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	5	1.25
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	12	1.25
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD2	4	1.25
(3,907)	1:98:B:LEU:HD13	1:118:B:LEU:HD12	11	1.25
(3,825)	1:105:B:ILE:HG21	1:108:B:LYS:HB2	10	1.25
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	17	1.25
(3,377)	1:98:B:LEU:HD13	1:111:B:ARG:HD3	15	1.25
(3,357)	1:98:B:LEU:HD12	1:114:B:ILE:H	10	1.25
(3,352)	1:33:B:VAL:HG13	1:34:B:GLU:H	13	1.25
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	7	1.25
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	7	1.25
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	7	1.25
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	6	1.25
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	12	1.25
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	20	1.25
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	20	1.25
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	20	1.25
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE1	6	1.25
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE2	6	1.25
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE3	6	1.25
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE1	6	1.25
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE2	6	1.25
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE3	6	1.25
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE1	6	1.25
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE2	6	1.25
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE3	6	1.25
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	7	1.25
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	9	1.25
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	9	1.25
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	9	1.25
(1,2335)	1:40:B:LEU:HD11	1:13:B:GLU:HG3	20	1.25
(1,2276)	1:43:B:VAL:HG22	1:49:B:GLN:HB2	16	1.25
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	5	1.25
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	5	1.25
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	5	1.25
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	11	1.25
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	8	1.25
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	8	1.25
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	8	1.25
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	16	1.25
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	16	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	16	1.25
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	15	1.25
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	15	1.25
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	15	1.25
(1,1070)	1:124:B:VAL:HG22	1:130:B:LEU:HB3	2	1.25
(1,1070)	1:124:B:VAL:HG22	1:130:B:LEU:HB3	18	1.25
(1,1070)	1:124:B:VAL:HG23	1:130:B:LEU:HG	20	1.25
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	8	1.25
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	8	1.25
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	8	1.25
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	8	1.25
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	8	1.25
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	8	1.25
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	8	1.25
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	8	1.25
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	8	1.25
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	4	1.25
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	4	1.25
(3,1859)	1:8:B:THR:HG21	1:9:B:TRP:HE1	15	1.24
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	6	1.24
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE3	19	1.24
(3,1800)	1:15:B:ALA:HB3	1:22:B:LEU:HD11	12	1.24
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG22	12	1.24
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG23	18	1.24
(3,1276)	1:63:B:VAL:HG22	1:66:B:PHE:HZ	4	1.24
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD3	15	1.24
(3,1237)	1:46:B:THR:HG23	1:53:B:HIS:HE1	2	1.24
(3,1188)	1:73:B:ILE:HG21	1:109:B:ARG:HD3	16	1.24
(3,1065)	1:85:B:GLN:HG3	1:89:B:GLU:HB2	13	1.24
(3,988)	1:45:B:ARG:HB3	1:47:B:ARG:HD3	13	1.24
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG12	12	1.24
(3,743)	1:114:B:ILE:HD11	1:104:B:ASN:H	10	1.24
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG11	7	1.24
(3,541)	1:124:B:VAL:HG21	1:115:B:VAL:HB	10	1.24
(3,541)	1:124:B:VAL:HG23	1:129:B:GLU:HB3	11	1.24
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD23	8	1.24
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	20	1.24
(3,352)	1:33:B:VAL:HG13	1:33:B:VAL:H	17	1.24
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD11	7	1.24
(1,2557)	1:17:B:LEU:HD21	1:53:B:HIS:HB3	11	1.24
(1,2557)	1:17:B:LEU:HD22	1:53:B:HIS:HB3	11	1.24
(1,2557)	1:17:B:LEU:HD23	1:53:B:HIS:HB3	11	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	1	1.24
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	1	1.24
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	1	1.24
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	4	1.24
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	4	1.24
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	4	1.24
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	1	1.24
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	1	1.24
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	1	1.24
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	8	1.24
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	16	1.24
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	16	1.24
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	16	1.24
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	16	1.24
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	16	1.24
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	16	1.24
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	16	1.24
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	16	1.24
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	16	1.24
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	19	1.24
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	19	1.24
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	19	1.24
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	9	1.24
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	11	1.24
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	11	1.24
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	11	1.24
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	5	1.24
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	5	1.24
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	5	1.24
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	10	1.24
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	10	1.24
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	10	1.24
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	10	1.24
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	10	1.24
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	10	1.24
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	10	1.24
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	10	1.24
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	10	1.24
(1,1070)	1:124:B:VAL:HG21	1:130:B:LEU:HB3	1	1.24
(1,1070)	1:124:B:VAL:HG23	1:130:B:LEU:HG	8	1.24
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	7	1.24
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	1	1.24
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	1	1.24
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	1	1.24
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	7	1.24
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	13	1.24
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HB	16	1.24
(3,1859)	1:8:B:THR:HG23	1:9:B:TRP:HE1	6	1.23
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	13	1.23
(3,1770)	1:17:B:LEU:HD21	1:14:B:GLU:HB2	16	1.23
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD23	7	1.23
(3,1671)	1:32:B:VAL:HG11	1:66:B:PHE:H	17	1.23
(3,1605)	1:37:B:LEU:HA	1:39:B:HIS:HB3	9	1.23
(3,1466)	1:50:B:ILE:HD13	1:34:B:GLU:HG2	4	1.23
(3,1384)	1:54:B:LEU:HD23	1:59:B:LEU:HB2	4	1.23
(3,1190)	1:73:B:ILE:HG21	1:74:B:VAL:HB	19	1.23
(3,1163)	1:40:B:LEU:HD21	1:45:B:ARG:HD3	11	1.23
(3,1137)	1:76:B:TRP:HB2	1:74:B:VAL:HB	10	1.23
(3,1110)	1:82:B:LEU:HD13	1:87:B:LEU:H	15	1.23
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	9	1.23
(3,953)	1:93:B:ASP:HB2	1:97:B:VAL:HG22	6	1.23
(3,953)	1:93:B:ASP:HB2	1:97:B:VAL:HG23	12	1.23
(3,914)	1:98:B:LEU:HD22	1:130:B:LEU:H	18	1.23
(3,807)	1:107:B:ALA:HB1	1:74:B:VAL:HG13	1	1.23
(3,685)	1:84:B:LEU:HD13	1:117:B:LYS:HB2	14	1.23
(3,495)	1:130:B:LEU:HD12	1:115:B:VAL:HB	13	1.23
(3,439)	1:135:B:GLN:HB3	1:136:B:LYS:HG2	3	1.23
(1,2276)	1:43:B:VAL:HG22	1:49:B:GLN:HB2	18	1.23
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	13	1.23
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	13	1.23
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	13	1.23
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	5	1.23
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	9	1.23
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	2	1.23
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	2	1.23
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	2	1.23
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	7	1.23
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	7	1.23
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	7	1.23
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	19	1.23
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	19	1.23
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	19	1.23
(1,1882)	1:67:B:GLN:HG2	1:64:B:LYS:HA	13	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	15	1.23
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	18	1.23
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	4	1.23
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	4	1.23
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	4	1.23
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	4	1.23
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	4	1.23
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	4	1.23
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	4	1.23
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	4	1.23
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	4	1.23
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	13	1.23
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	13	1.23
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	13	1.23
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	11	1.23
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	17	1.23
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	17	1.23
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	17	1.23
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	12	1.23
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	12	1.23
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	12	1.23
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	12	1.23
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	12	1.23
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	12	1.23
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	12	1.23
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	12	1.23
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	12	1.23
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	2	1.23
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	12	1.23
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	12	1.23
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	12	1.23
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	7	1.23
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	7	1.23
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	7	1.23
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	7	1.23
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	7	1.23
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	7	1.23
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	7	1.23
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	7	1.23
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	7	1.23
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	10	1.23
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	10	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	10	1.23
(3,1859)	1:42:B:THR:HG21	1:9:B:TRP:HE1	11	1.22
(3,1321)	1:37:B:LEU:HD21	1:34:B:GLU:H	18	1.22
(3,1314)	1:37:B:LEU:HD22	1:34:B:GLU:HG2	20	1.22
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	15	1.22
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG13	10	1.22
(3,1185)	1:73:B:ILE:HD11	1:109:B:ARG:HD3	3	1.22
(3,916)	1:37:B:LEU:HD13	1:50:B:ILE:H	20	1.22
(3,914)	1:98:B:LEU:HD23	1:130:B:LEU:H	12	1.22
(3,860)	1:101:B:ILE:HD12	1:118:B:LEU:HD23	16	1.22
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG13	5	1.22
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	12	1.22
(3,530)	1:28:B:GLU:HG2	1:27:B:VAL:HG22	14	1.22
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	9	1.22
(3,504)	1:13:B:GLU:HG2	1:40:B:LEU:HB3	16	1.22
(3,363)	1:40:B:LEU:HD22	1:39:B:HIS:H	6	1.22
(3,363)	1:40:B:LEU:HD23	1:39:B:HIS:H	13	1.22
(3,352)	1:33:B:VAL:HG12	1:34:B:GLU:H	19	1.22
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	11	1.22
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	11	1.22
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	11	1.22
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	4	1.22
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	17	1.22
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	16	1.22
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	16	1.22
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	16	1.22
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	20	1.22
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	5	1.22
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	5	1.22
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD1	12	1.22
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	14	1.22
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	14	1.22
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	14	1.22
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	18	1.22
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	18	1.22
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	18	1.22
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE3	15	1.22
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	19	1.22
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	19	1.22
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	19	1.22
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	7	1.22
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	7	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	7	1.22
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	7	1.22
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	7	1.22
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	7	1.22
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	5	1.22
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	5	1.22
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	5	1.22
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	1	1.22
(1,954)	1:131:B:TYR:HE1	1:127:B:ARG:HG2	8	1.22
(1,954)	1:131:B:TYR:HE2	1:127:B:ARG:HG2	8	1.22
(1,879)	1:59:B:LEU:HD22	1:21:B:TYR:HD1	6	1.22
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD2	16	1.22
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB1	11	1.22
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB2	11	1.22
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB3	11	1.22
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	7	1.22
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	7	1.22
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	7	1.22
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	6	1.22
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	6	1.22
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	6	1.22
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	20	1.22
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	20	1.22
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	20	1.22
(3,1887)	1:87:B:LEU:HD21	1:83:B:GLU:HG3	3	1.21
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	9	1.21
(3,1770)	1:17:B:LEU:HD21	1:14:B:GLU:HB2	2	1.21
(3,1422)	1:52:B:HIS:HE1	1:48:B:LYS:HD2	20	1.21
(3,1315)	1:59:B:LEU:HD12	1:18:B:ARG:HB3	2	1.21
(3,1315)	1:59:B:LEU:HD12	1:18:B:ARG:HB3	19	1.21
(3,1243)	1:70:B:GLY:HA3	1:63:B:VAL:HB	12	1.21
(3,1188)	1:73:B:ILE:HG21	1:109:B:ARG:HD3	12	1.21
(3,1114)	1:82:B:LEU:HD11	1:79:B:ASP:HB3	1	1.21
(3,1110)	1:82:B:LEU:HD11	1:87:B:LEU:H	12	1.21
(3,1074)	1:84:B:LEU:HD12	1:118:B:LEU:HD11	7	1.21
(3,914)	1:98:B:LEU:HD22	1:130:B:LEU:H	9	1.21
(3,767)	1:32:B:VAL:HA	1:30:B:GLN:HB3	7	1.21
(3,674)	1:7:B:PRO:HB3	1:43:B:VAL:HG12	9	1.21
(3,662)	1:87:B:LEU:HA	1:90:B:GLU:HB2	18	1.21
(3,378)	1:22:B:LEU:HD12	1:18:B:ARG:HD3	9	1.21
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	18	1.21
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	14	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	14	1.21
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	14	1.21
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	4	1.21
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	3	1.21
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	3	1.21
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	3	1.21
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	19	1.21
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	19	1.21
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	19	1.21
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	13	1.21
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	13	1.21
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	13	1.21
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	7	1.21
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	2	1.21
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	2	1.21
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	2	1.21
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	18	1.21
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	18	1.21
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	18	1.21
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	3	1.21
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	12	1.21
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	12	1.21
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	12	1.21
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	6	1.21
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	7	1.21
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	7	1.21
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	7	1.21
(1,1271)	1:114:B:ILE:HG12	1:76:B:TRP:HH2	5	1.21
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	4	1.21
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	4	1.21
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	4	1.21
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD11	6	1.21
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD12	6	1.21
(1,1204)	1:116:B:ASP:HB3	1:119:B:LEU:HD13	6	1.21
(1,1138)	1:121:B:LEU:HD13	1:85:B:GLN:HB2	9	1.21
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	15	1.21
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	15	1.21
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	15	1.21
(1,1070)	1:124:B:VAL:HG21	1:130:B:LEU:HG	16	1.21
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	16	1.21
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	16	1.21
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	16	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	16	1.21
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	16	1.21
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	16	1.21
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	16	1.21
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	16	1.21
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	16	1.21
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD11	20	1.21
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD12	20	1.21
(1,982)	1:130:B:LEU:HD11	1:119:B:LEU:HD13	20	1.21
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD11	20	1.21
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD12	20	1.21
(1,982)	1:130:B:LEU:HD12	1:119:B:LEU:HD13	20	1.21
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD11	20	1.21
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD12	20	1.21
(1,982)	1:130:B:LEU:HD13	1:119:B:LEU:HD13	20	1.21
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	8	1.21
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	8	1.21
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	8	1.21
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	8	1.21
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	8	1.21
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	8	1.21
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	2	1.21
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	2	1.21
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	2	1.21
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	2	1.21
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	2	1.21
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	18	1.21
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	18	1.21
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	18	1.21
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HB	9	1.21
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HB3	16	1.2
(3,1773)	1:17:B:LEU:HD13	1:40:B:LEU:H	3	1.2
(3,1770)	1:17:B:LEU:HD23	1:13:B:GLU:HG3	8	1.2
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	16	1.2
(3,1670)	1:32:B:VAL:HG22	1:22:B:LEU:H	11	1.2
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	7	1.2
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	9	1.2
(3,1454)	1:51:B:ILE:HD12	1:49:B:GLN:H	1	1.2
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	17	1.2
(3,1384)	1:54:B:LEU:HD23	1:60:B:ALA:HB1	12	1.2
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	5	1.2
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	17	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	17	1.2
(3,1190)	1:73:B:ILE:HG21	1:74:B:VAL:HB	12	1.2
(3,1190)	1:73:B:ILE:HG22	1:74:B:VAL:HB	18	1.2
(3,1171)	1:74:B:VAL:HG13	1:76:B:TRP:HE1	2	1.2
(3,1110)	1:82:B:LEU:HD12	1:87:B:LEU:H	7	1.2
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG11	3	1.2
(3,866)	1:105:B:ILE:HD11	1:109:B:ARG:HD3	1	1.2
(3,807)	1:107:B:ALA:HB2	1:74:B:VAL:HG11	8	1.2
(3,675)	1:115:B:VAL:HB	1:112:B:ALA:HB1	12	1.2
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	19	1.2
(3,646)	1:17:B:LEU:HG	1:60:B:ALA:HB3	8	1.2
(3,560)	1:123:B:LEU:HD22	1:88:B:PHE:HB2	16	1.2
(3,439)	1:14:B:GLU:HB3	1:17:B:LEU:HG	15	1.2
(3,363)	1:40:B:LEU:HD23	1:39:B:HIS:H	9	1.2
(3,363)	1:40:B:LEU:HD23	1:39:B:HIS:H	18	1.2
(3,217)	1:99:B:GLY:H	1:114:B:ILE:HB	8	1.2
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	11	1.2
(1,2390)	1:36:B:ILE:HG13	1:35:B:ALA:H	9	1.2
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	4	1.2
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	4	1.2
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	4	1.2
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	19	1.2
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	19	1.2
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	19	1.2
(1,1808)	1:74:B:VAL:HG13	1:75:B:LEU:HB3	20	1.2
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	13	1.2
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	13	1.2
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	13	1.2
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	13	1.2
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	13	1.2
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	13	1.2
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	13	1.2
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	13	1.2
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	13	1.2
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	18	1.2
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	18	1.2
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	18	1.2
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	18	1.2
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	18	1.2
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	18	1.2
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	18	1.2
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	18	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	18	1.2
(1,1644)	1:89:B:GLU:HG3	1:92:B:ARG:HD2	6	1.2
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	3	1.2
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	3	1.2
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	3	1.2
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	12	1.2
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	12	1.2
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	12	1.2
(1,1169)	1:119:B:LEU:HD21	1:124:B:VAL:HG11	15	1.2
(1,1169)	1:119:B:LEU:HD21	1:124:B:VAL:HG12	15	1.2
(1,1169)	1:119:B:LEU:HD21	1:124:B:VAL:HG13	15	1.2
(1,1169)	1:119:B:LEU:HD22	1:124:B:VAL:HG11	15	1.2
(1,1169)	1:119:B:LEU:HD22	1:124:B:VAL:HG12	15	1.2
(1,1169)	1:119:B:LEU:HD22	1:124:B:VAL:HG13	15	1.2
(1,1169)	1:119:B:LEU:HD23	1:124:B:VAL:HG11	15	1.2
(1,1169)	1:119:B:LEU:HD23	1:124:B:VAL:HG12	15	1.2
(1,1169)	1:119:B:LEU:HD23	1:124:B:VAL:HG13	15	1.2
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	16	1.2
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	16	1.2
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	16	1.2
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	7	1.2
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	7	1.2
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	7	1.2
(1,1079)	1:124:B:VAL:HG11	1:119:B:LEU:H	20	1.2
(1,1079)	1:124:B:VAL:HG12	1:119:B:LEU:H	20	1.2
(1,1079)	1:124:B:VAL:HG13	1:119:B:LEU:H	20	1.2
(1,1070)	1:124:B:VAL:HG23	1:130:B:LEU:HG	15	1.2
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	1	1.2
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	15	1.2
(3,1874)	1:118:B:LEU:HD13	1:84:B:LEU:HG	9	1.19
(3,1670)	1:32:B:VAL:HG22	1:22:B:LEU:H	2	1.19
(3,1577)	1:22:B:LEU:HD11	1:23:B:ALA:HA	6	1.19
(3,1464)	1:50:B:ILE:HG23	1:49:B:GLN:HG2	4	1.19
(3,1298)	1:8:B:THR:HG22	1:7:B:PRO:HB3	16	1.19
(3,1237)	1:46:B:THR:HG22	1:53:B:HIS:HE1	8	1.19
(3,1110)	1:82:B:LEU:HD13	1:87:B:LEU:H	6	1.19
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	4	1.19
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD13	14	1.19
(3,942)	1:97:B:VAL:HG11	1:98:B:LEU:H	5	1.19
(3,903)	1:98:B:LEU:HD21	1:130:B:LEU:HA	8	1.19
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB3	19	1.19
(3,750)	1:114:B:ILE:HG21	1:118:B:LEU:HD23	2	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,734)	1:114:B:ILE:HG21	1:115:B:VAL:HB	8	1.19
(3,585)	1:121:B:LEU:HD11	1:81:B:GLU:H	6	1.19
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD12	16	1.19
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE3	15	1.19
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	19	1.19
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	19	1.19
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	19	1.19
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	4	1.19
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	12	1.19
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	18	1.19
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	19	1.19
(1,2390)	1:36:B:ILE:HG13	1:35:B:ALA:H	5	1.19
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG21	5	1.19
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG22	5	1.19
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG23	5	1.19
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	7	1.19
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	7	1.19
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	7	1.19
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	16	1.19
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	16	1.19
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	16	1.19
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	16	1.19
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	16	1.19
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	16	1.19
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	16	1.19
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	16	1.19
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	16	1.19
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	18	1.19
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	19	1.19
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	8	1.19
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	8	1.19
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	8	1.19
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	8	1.19
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	8	1.19
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	8	1.19
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	8	1.19
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	8	1.19
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	8	1.19
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	9	1.19
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	9	1.19
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	9	1.19
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	9	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	9	1.19
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	9	1.19
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	9	1.19
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	9	1.19
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	9	1.19
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	19	1.19
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	19	1.19
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	19	1.19
(1,1388)	1:106:B:THR:HG21	1:80:B:GLN:HG2	4	1.19
(1,1388)	1:106:B:THR:HG22	1:80:B:GLN:HG2	4	1.19
(1,1388)	1:106:B:THR:HG23	1:80:B:GLN:HG2	4	1.19
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG21	3	1.19
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	13	1.19
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	13	1.19
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	13	1.19
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	13	1.19
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	13	1.19
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	13	1.19
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	15	1.19
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	15	1.19
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	15	1.19
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	20	1.19
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	20	1.19
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	20	1.19
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	10	1.19
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	10	1.19
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	10	1.19
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	17	1.19
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	17	1.19
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	17	1.19
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	17	1.19
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	17	1.19
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	17	1.19
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	12	1.19
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	12	1.19
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	12	1.19
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	1	1.19
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	1	1.19
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	1	1.19
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	1	1.19
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	1	1.19
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	1	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	1	1.19
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	1	1.19
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	1	1.19
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	11	1.19
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	11	1.19
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	11	1.19
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	11	1.19
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	11	1.19
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	11	1.19
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	11	1.19
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	11	1.19
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	11	1.19
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	11	1.19
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	11	1.19
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	4	1.19
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	4	1.19
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	4	1.19
(3,1878)	1:118:B:LEU:HD23	1:114:B:ILE:HG23	8	1.18
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	8	1.18
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB2	14	1.18
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	18	1.18
(3,1751)	1:18:B:ARG:HD3	1:22:B:LEU:HD13	1	1.18
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD22	12	1.18
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG22	4	1.18
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	11	1.18
(3,1437)	1:51:B:ILE:HG23	1:50:B:ILE:HA	7	1.18
(3,1298)	1:8:B:THR:HG22	1:7:B:PRO:HB3	1	1.18
(3,1227)	1:71:B:THR:HB	1:73:B:ILE:HG13	2	1.18
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	4	1.18
(3,1190)	1:73:B:ILE:HG22	1:74:B:VAL:HB	6	1.18
(3,1190)	1:73:B:ILE:HG23	1:74:B:VAL:HB	9	1.18
(3,1065)	1:85:B:GLN:HG3	1:89:B:GLU:HB2	16	1.18
(3,935)	1:97:B:VAL:HG23	1:98:B:LEU:HB3	17	1.18
(3,734)	1:114:B:ILE:HG21	1:115:B:VAL:HB	13	1.18
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG12	13	1.18
(3,646)	1:17:B:LEU:HG	1:42:B:THR:HG23	10	1.18
(3,593)	1:84:B:LEU:HD23	1:114:B:ILE:HG23	8	1.18
(3,541)	1:124:B:VAL:HG23	1:129:B:GLU:HB3	13	1.18
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG12	14	1.18
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	8	1.18
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	11	1.18
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE3	16	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	1	1.18
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	1	1.18
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	13	1.18
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	17	1.18
(1,2324)	1:131:B:TYR:HB2	1:128:B:ARG:HG3	5	1.18
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	5	1.18
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	5	1.18
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	5	1.18
(1,1694)	1:20:B:LEU:HD11	1:24:B:ASN:HD21	6	1.18
(1,1694)	1:20:B:LEU:HD12	1:24:B:ASN:HD21	6	1.18
(1,1694)	1:20:B:LEU:HD13	1:24:B:ASN:HD21	6	1.18
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	6	1.18
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	6	1.18
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	6	1.18
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	6	1.18
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	6	1.18
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	6	1.18
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	6	1.18
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	6	1.18
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	6	1.18
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	10	1.18
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	10	1.18
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	10	1.18
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	19	1.18
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	19	1.18
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	19	1.18
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	7	1.18
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	7	1.18
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	7	1.18
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	1	1.18
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	8	1.18
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	8	1.18
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	8	1.18
(1,1165)	1:119:B:LEU:HD11	1:127:B:ARG:HD3	19	1.18
(1,1165)	1:119:B:LEU:HD12	1:127:B:ARG:HD3	19	1.18
(1,1165)	1:119:B:LEU:HD13	1:127:B:ARG:HD3	19	1.18
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	14	1.18
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	14	1.18
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	14	1.18
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	14	1.18
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	14	1.18
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	14	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	14	1.18
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	14	1.18
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	14	1.18
(1,1070)	1:124:B:VAL:HG21	1:130:B:LEU:HB3	14	1.18
(1,1070)	1:124:B:VAL:HG23	1:130:B:LEU:HB3	17	1.18
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	9	1.18
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	9	1.18
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	9	1.18
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	20	1.18
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	17	1.18
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	19	1.18
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	20	1.18
(3,1859)	1:8:B:THR:HG21	1:9:B:TRP:HE1	5	1.17
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB2	5	1.17
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB2	11	1.17
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	8	1.17
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD22	19	1.17
(3,1590)	1:39:B:HIS:HD2	1:40:B:LEU:HB2	10	1.17
(3,1561)	1:131:B:TYR:HB2	1:132:B:LYS:HG2	15	1.17
(3,1485)	1:50:B:ILE:HG21	1:49:B:GLN:H	12	1.17
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG21	17	1.17
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	10	1.17
(3,1182)	1:74:B:VAL:HG21	1:109:B:ARG:HB2	13	1.17
(3,1171)	1:74:B:VAL:HG11	1:76:B:TRP:HE1	6	1.17
(3,988)	1:45:B:ARG:HB2	1:52:B:HIS:HB2	1	1.17
(3,914)	1:37:B:LEU:HD12	1:49:B:GLN:H	17	1.17
(3,852)	1:114:B:ILE:HG22	1:88:B:PHE:H	6	1.17
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD22	14	1.17
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG12	6	1.17
(3,690)	1:115:B:VAL:HG23	1:118:B:LEU:HD13	6	1.17
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG22	6	1.17
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB2	19	1.17
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD23	3	1.17
(3,363)	1:40:B:LEU:HD22	1:39:B:HIS:H	14	1.17
(3,325)	1:141:B:SER:H	1:124:B:VAL:HB	9	1.17
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	16	1.17
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	16	1.17
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	16	1.17
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	16	1.17
(1,2034)	1:57:B:MET:HE2	1:21:B:TYR:HD1	15	1.17
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	13	1.17
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	11	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	11	1.17
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	11	1.17
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	11	1.17
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	11	1.17
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	11	1.17
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	11	1.17
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	11	1.17
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	11	1.17
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	7	1.17
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	8	1.17
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	8	1.17
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	8	1.17
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	6	1.17
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	6	1.17
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	6	1.17
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	5	1.17
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	5	1.17
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	5	1.17
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	5	1.17
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	5	1.17
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	5	1.17
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	5	1.17
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	5	1.17
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	5	1.17
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	1	1.17
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	1	1.17
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	1	1.17
(1,1070)	1:124:B:VAL:HG23	1:130:B:LEU:HG	4	1.17
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	8	1.17
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	8	1.17
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	8	1.17
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	8	1.17
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	8	1.17
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	8	1.17
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	8	1.17
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	8	1.17
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	8	1.17
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	6	1.17
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	6	1.17
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	6	1.17
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	6	1.17
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	6	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	6	1.17
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	6	1.17
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	6	1.17
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	18	1.17
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	3	1.17
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	3	1.17
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	3	1.17
(3,1864)	1:6:B:ALA:HB2	1:45:B:ARG:HD3	1	1.16
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD11	8	1.16
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD21	19	1.16
(3,1764)	1:17:B:LEU:HD13	1:57:B:MET:HE3	18	1.16
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG12	9	1.16
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG12	12	1.16
(3,1422)	1:52:B:HIS:HE1	1:48:B:LYS:HD2	2	1.16
(3,1361)	1:55:B:VAL:HG13	1:52:B:HIS:HB2	1	1.16
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD12	6	1.16
(3,1176)	1:74:B:VAL:HG11	1:73:B:ILE:HG12	6	1.16
(3,928)	1:97:B:VAL:HG12	1:95:B:ASP:HB3	10	1.16
(3,767)	1:32:B:VAL:HA	1:30:B:GLN:HB3	3	1.16
(3,690)	1:115:B:VAL:HG21	1:118:B:LEU:HD13	3	1.16
(3,675)	1:97:B:VAL:HB	1:98:B:LEU:HB2	5	1.16
(3,674)	1:115:B:VAL:HB	1:118:B:LEU:HD22	10	1.16
(3,658)	1:95:B:ASP:HB3	1:132:B:LYS:HB3	9	1.16
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD13	4	1.16
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	8	1.16
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	8	1.16
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	8	1.16
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE3	6	1.16
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	8	1.16
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	8	1.16
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	8	1.16
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	6	1.16
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD11	10	1.16
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD12	10	1.16
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD13	10	1.16
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	10	1.16
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	1	1.16
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	1	1.16
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	1	1.16
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	1	1.16
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	1	1.16
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	1	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	1	1.16
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	1	1.16
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	1	1.16
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	20	1.16
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	20	1.16
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	20	1.16
(1,1882)	1:67:B:GLN:HG2	1:64:B:LYS:HA	20	1.16
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG11	6	1.16
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG12	6	1.16
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG13	6	1.16
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	17	1.16
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	3	1.16
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	3	1.16
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	3	1.16
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	5	1.16
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	5	1.16
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	5	1.16
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	20	1.16
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	13	1.16
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	13	1.16
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	13	1.16
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	16	1.16
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	16	1.16
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	16	1.16
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	6	1.16
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	6	1.16
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	6	1.16
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	6	1.16
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	6	1.16
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	6	1.16
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	6	1.16
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	6	1.16
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	6	1.16
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	3	1.16
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	16	1.16
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	15	1.16
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	15	1.16
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	15	1.16
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	9	1.16
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	9	1.16
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	9	1.16
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	9	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	9	1.16
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	9	1.16
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	9	1.16
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	9	1.16
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	9	1.16
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	9	1.16
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	9	1.16
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	9	1.16
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	16	1.16
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HB3	5	1.15
(3,1670)	1:32:B:VAL:HG23	1:22:B:LEU:H	15	1.15
(3,1663)	1:32:B:VAL:HG11	1:33:B:VAL:HG12	5	1.15
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD13	12	1.15
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG22	15	1.15
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG23	19	1.15
(3,1572)	1:40:B:LEU:HD11	1:20:B:LEU:HD21	3	1.15
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	11	1.15
(3,1565)	1:40:B:LEU:HB2	1:45:B:ARG:HD3	20	1.15
(3,1528)	1:46:B:THR:HB	1:48:B:LYS:HG3	1	1.15
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	6	1.15
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	5	1.15
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	20	1.15
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	9	1.15
(3,1176)	1:74:B:VAL:HG13	1:73:B:ILE:HG12	3	1.15
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	20	1.15
(3,1040)	1:127:B:ARG:HD3	1:131:B:TYR:HD1	7	1.15
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	15	1.15
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD12	2	1.15
(3,361)	1:82:B:LEU:HD13	1:83:B:GLU:H	18	1.15
(3,358)	1:98:B:LEU:HD12	1:117:B:LYS:H	15	1.15
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD11	19	1.15
(3,155)	1:81:B:GLU:H	1:82:B:LEU:HD22	9	1.15
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG11	4	1.15
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG22	8	1.15
(1,2651)	1:9:B:TRP:HZ2	1:49:B:GLN:HG2	12	1.15
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	7	1.15
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	11	1.15
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	11	1.15
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	11	1.15
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	14	1.15
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	4	1.15
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	4	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	4	1.15
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	11	1.15
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	11	1.15
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	11	1.15
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	3	1.15
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	13	1.15
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	13	1.15
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	13	1.15
(1,1861)	1:72:B:HIS:HD2	1:117:B:LYS:HD2	2	1.15
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	5	1.15
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	5	1.15
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	5	1.15
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	16	1.15
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	16	1.15
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	16	1.15
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	1	1.15
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	1	1.15
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	1	1.15
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	1	1.15
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	1	1.15
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	1	1.15
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	1	1.15
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	1	1.15
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	1	1.15
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	19	1.15
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	19	1.15
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	19	1.15
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	19	1.15
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	19	1.15
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	19	1.15
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	19	1.15
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	19	1.15
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	19	1.15
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	16	1.15
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	16	1.15
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	16	1.15
(1,1095)	1:123:B:LEU:HD21	1:88:B:PHE:HB3	12	1.15
(1,1095)	1:123:B:LEU:HD22	1:88:B:PHE:HB3	12	1.15
(1,1095)	1:123:B:LEU:HD23	1:88:B:PHE:HB3	12	1.15
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	20	1.15
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	20	1.15
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	20	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	20	1.15
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	20	1.15
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	20	1.15
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	20	1.15
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	20	1.15
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	20	1.15
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	3	1.15
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	3	1.15
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	4	1.15
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	4	1.15
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	4	1.15
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	13	1.15
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	13	1.15
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	13	1.15
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	18	1.15
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	18	1.15
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	18	1.15
(1,879)	1:59:B:LEU:HD22	1:21:B:TYR:HD2	7	1.15
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	12	1.15
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD11	16	1.14
(3,1764)	1:17:B:LEU:HD11	1:54:B:LEU:HB3	2	1.14
(3,1712)	1:97:B:VAL:HG23	1:88:B:PHE:HA	5	1.14
(3,1590)	1:39:B:HIS:HD2	1:40:B:LEU:HB2	6	1.14
(3,1580)	1:40:B:LEU:HD12	1:16:B:HIS:HD2	3	1.14
(3,1577)	1:22:B:LEU:HD13	1:23:B:ALA:HA	14	1.14
(3,1561)	1:131:B:TYR:HB2	1:133:B:LYS:HG2	20	1.14
(3,1437)	1:51:B:ILE:HG22	1:50:B:ILE:HA	14	1.14
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	5	1.14
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	17	1.14
(3,1276)	1:63:B:VAL:HG21	1:66:B:PHE:HZ	8	1.14
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD11	20	1.14
(3,1207)	1:73:B:ILE:HG21	1:109:B:ARG:HD2	5	1.14
(3,1174)	1:74:B:VAL:HG11	1:75:B:LEU:HG	5	1.14
(3,1012)	1:53:B:HIS:HB2	1:59:B:LEU:HD21	1	1.14
(3,935)	1:97:B:VAL:HG22	1:98:B:LEU:HB3	7	1.14
(3,852)	1:114:B:ILE:HG22	1:88:B:PHE:H	15	1.14
(3,807)	1:107:B:ALA:HB3	1:74:B:VAL:HG11	18	1.14
(3,743)	1:114:B:ILE:HD12	1:104:B:ASN:H	7	1.14
(3,726)	1:128:B:ARG:HB3	1:124:B:VAL:HG12	19	1.14
(3,596)	1:20:B:LEU:HD23	1:40:B:LEU:HG	4	1.14
(3,596)	1:20:B:LEU:HD22	1:40:B:LEU:HG	10	1.14
(3,589)	1:84:B:LEU:HD21	1:118:B:LEU:H	3	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,378)	1:22:B:LEU:HD13	1:18:B:ARG:HD2	10	1.14
(3,363)	1:40:B:LEU:HD23	1:39:B:HIS:H	12	1.14
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG12	11	1.14
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	6	1.14
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD12	17	1.14
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	4	1.14
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	4	1.14
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	4	1.14
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	17	1.14
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	10	1.14
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HB2	3	1.14
(1,2034)	1:57:B:MET:HE2	1:21:B:TYR:HD1	10	1.14
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	14	1.14
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG11	19	1.14
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG12	19	1.14
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG13	19	1.14
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	19	1.14
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	19	1.14
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	19	1.14
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	15	1.14
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	15	1.14
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	15	1.14
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	4	1.14
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	4	1.14
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	4	1.14
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	7	1.14
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	7	1.14
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	7	1.14
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	20	1.14
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	20	1.14
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	20	1.14
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	20	1.14
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	20	1.14
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	20	1.14
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	4	1.14
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	4	1.14
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	4	1.14
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	7	1.14
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	7	1.14
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	7	1.14
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	19	1.14
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	19	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	19	1.14
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	19	1.14
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	19	1.14
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	19	1.14
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	8	1.14
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	8	1.14
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	8	1.14
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	8	1.14
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	8	1.14
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	8	1.14
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	18	1.14
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	18	1.14
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	18	1.14
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	18	1.14
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	18	1.14
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	18	1.14
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	18	1.14
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	18	1.14
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	18	1.14
(1,1070)	1:124:B:VAL:HG23	1:130:B:LEU:HB3	13	1.14
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	11	1.14
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	2	1.14
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	2	1.14
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	2	1.14
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	2	1.14
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	2	1.14
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	2	1.14
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	2	1.14
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	2	1.14
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	2	1.14
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	6	1.14
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	6	1.14
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	6	1.14
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	6	1.14
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	6	1.14
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	6	1.14
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	14	1.14
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	14	1.14
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	4	1.14
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HB3	10	1.13
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD22	6	1.13
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	10	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	10	1.13
(3,1437)	1:51:B:ILE:HG23	1:50:B:ILE:HA	3	1.13
(3,1437)	1:51:B:ILE:HG23	1:50:B:ILE:HA	9	1.13
(3,1422)	1:52:B:HIS:HE1	1:48:B:LYS:HD2	8	1.13
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	18	1.13
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	14	1.13
(3,1321)	1:37:B:LEU:HD22	1:34:B:GLU:H	3	1.13
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD13	17	1.13
(3,1243)	1:70:B:GLY:HA2	1:63:B:VAL:HB	6	1.13
(3,1190)	1:73:B:ILE:HG21	1:74:B:VAL:HB	11	1.13
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	16	1.13
(3,1074)	1:84:B:LEU:HD13	1:118:B:LEU:HD11	14	1.13
(3,1040)	1:127:B:ARG:HD3	1:131:B:TYR:HD2	10	1.13
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	14	1.13
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD11	6	1.13
(3,953)	1:93:B:ASP:HB2	1:97:B:VAL:HG22	8	1.13
(3,936)	1:32:B:VAL:HG22	1:35:B:ALA:HA	14	1.13
(3,934)	1:97:B:VAL:HG22	1:118:B:LEU:HD11	14	1.13
(3,926)	1:97:B:VAL:HG12	1:101:B:ILE:HB	13	1.13
(3,914)	1:98:B:LEU:HD21	1:130:B:LEU:H	3	1.13
(3,839)	1:102:B:MET:HE1	1:103:B:LYS:HE2	5	1.13
(3,815)	1:106:B:THR:HG21	1:84:B:LEU:H	9	1.13
(3,734)	1:114:B:ILE:HG21	1:115:B:VAL:HB	12	1.13
(3,734)	1:114:B:ILE:HG22	1:102:B:MET:HE3	20	1.13
(3,602)	1:121:B:LEU:HD12	1:85:B:GLN:HG2	6	1.13
(3,596)	1:84:B:LEU:HD21	1:114:B:ILE:HG13	6	1.13
(3,596)	1:20:B:LEU:HD22	1:40:B:LEU:HG	17	1.13
(3,593)	1:20:B:LEU:HD23	1:36:B:ILE:HG21	7	1.13
(3,560)	1:123:B:LEU:HD23	1:88:B:PHE:HB2	5	1.13
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB3	17	1.13
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD11	15	1.13
(3,362)	1:40:B:LEU:HD23	1:39:B:HIS:H	20	1.13
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD23	2	1.13
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD12	12	1.13
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG12	3	1.13
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	2	1.13
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	2	1.13
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	2	1.13
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	19	1.13
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	8	1.13
(1,2276)	1:43:B:VAL:HG22	1:49:B:GLN:HB2	9	1.13
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	18	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	18	1.13
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	18	1.13
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	18	1.13
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	18	1.13
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	18	1.13
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	10	1.13
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	10	1.13
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	10	1.13
(1,1138)	1:121:B:LEU:HD11	1:85:B:GLN:HB2	6	1.13
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	2	1.13
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	2	1.13
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	2	1.13
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	2	1.13
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	2	1.13
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	2	1.13
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	2	1.13
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	2	1.13
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	2	1.13
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	17	1.13
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	17	1.13
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	17	1.13
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	17	1.13
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	17	1.13
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	17	1.13
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	17	1.13
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	17	1.13
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	17	1.13
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	3	1.13
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	3	1.13
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	3	1.13
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	3	1.13
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	3	1.13
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	3	1.13
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	3	1.13
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	3	1.13
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	3	1.13
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	13	1.13
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	13	1.13
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	3	1.13
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	3	1.13
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	3	1.13
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	16	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	16	1.13
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	16	1.13
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	1	1.12
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG22	17	1.12
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	11	1.12
(3,1315)	1:59:B:LEU:HD12	1:18:B:ARG:HB3	16	1.12
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	15	1.12
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	10	1.12
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	2	1.12
(3,1190)	1:73:B:ILE:HG23	1:74:B:VAL:HB	1	1.12
(3,1190)	1:73:B:ILE:HG23	1:74:B:VAL:HB	13	1.12
(3,1190)	1:73:B:ILE:HG22	1:74:B:VAL:HB	14	1.12
(3,1185)	1:73:B:ILE:HD13	1:109:B:ARG:HD3	5	1.12
(3,1185)	1:73:B:ILE:HD13	1:109:B:ARG:HD3	19	1.12
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	6	1.12
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG23	9	1.12
(3,935)	1:97:B:VAL:HG21	1:98:B:LEU:HB3	4	1.12
(3,912)	1:98:B:LEU:HD22	1:131:B:TYR:HD2	2	1.12
(3,910)	1:98:B:LEU:HD12	1:96:B:ASP:HB3	8	1.12
(3,862)	1:105:B:ILE:HD13	1:84:B:LEU:HB2	11	1.12
(3,814)	1:107:B:ALA:HB3	1:84:B:LEU:HA	9	1.12
(3,814)	1:107:B:ALA:HB1	1:84:B:LEU:HA	18	1.12
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG2	11	1.12
(3,439)	1:14:B:GLU:HB3	1:17:B:LEU:HG	8	1.12
(3,363)	1:40:B:LEU:HD23	1:39:B:HIS:H	17	1.12
(3,357)	1:98:B:LEU:HD13	1:114:B:ILE:H	7	1.12
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	10	1.12
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	10	1.12
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	10	1.12
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	15	1.12
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	2	1.12
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	2	1.12
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	2	1.12
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	20	1.12
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	13	1.12
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	13	1.12
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	13	1.12
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG21	13	1.12
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG22	13	1.12
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG23	13	1.12
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	20	1.12
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG21	15	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG22	15	1.12
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG23	15	1.12
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	2	1.12
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	4	1.12
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	14	1.12
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	14	1.12
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	14	1.12
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	13	1.12
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	13	1.12
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	13	1.12
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	16	1.12
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	2	1.12
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	2	1.12
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	2	1.12
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	11	1.12
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	11	1.12
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	11	1.12
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	20	1.12
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	20	1.12
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	20	1.12
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD21	7	1.12
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD22	7	1.12
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD23	7	1.12
(1,1558)	1:92:B:ARG:HD2	1:89:B:GLU:HB2	11	1.12
(1,1526)	1:97:B:VAL:HG21	1:88:B:PHE:HA	5	1.12
(1,1526)	1:97:B:VAL:HG22	1:88:B:PHE:HA	5	1.12
(1,1526)	1:97:B:VAL:HG23	1:88:B:PHE:HA	5	1.12
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	5	1.12
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	5	1.12
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	5	1.12
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	8	1.12
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	8	1.12
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	8	1.12
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	12	1.12
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	12	1.12
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	12	1.12
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	2	1.12
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	2	1.12
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	2	1.12
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	7	1.12
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	7	1.12
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	7	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	9	1.12
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	9	1.12
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	9	1.12
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	6	1.12
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	6	1.12
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	6	1.12
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	6	1.12
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	6	1.12
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	6	1.12
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	6	1.12
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	6	1.12
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	6	1.12
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	19	1.12
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	19	1.12
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	12	1.12
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	12	1.12
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	12	1.12
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	12	1.12
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	12	1.12
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	12	1.12
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	11	1.12
(3,1878)	1:118:B:LEU:HD22	1:114:B:ILE:HG23	9	1.11
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	19	1.11
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB3	16	1.11
(3,1770)	1:17:B:LEU:HD23	1:14:B:GLU:HB2	1	1.11
(3,1770)	1:17:B:LEU:HD23	1:13:B:GLU:HG3	9	1.11
(3,1764)	1:17:B:LEU:HD13	1:57:B:MET:HE1	8	1.11
(3,1764)	1:17:B:LEU:HD11	1:57:B:MET:HE3	13	1.11
(3,1764)	1:17:B:LEU:HD13	1:57:B:MET:HE3	19	1.11
(3,1670)	1:32:B:VAL:HG23	1:37:B:LEU:H	1	1.11
(3,1670)	1:32:B:VAL:HG22	1:22:B:LEU:H	6	1.11
(3,1605)	1:37:B:LEU:HA	1:39:B:HIS:HB3	15	1.11
(3,1437)	1:51:B:ILE:HG23	1:50:B:ILE:HA	13	1.11
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	12	1.11
(3,1367)	1:55:B:VAL:HG13	1:60:B:ALA:H	3	1.11
(3,1361)	1:55:B:VAL:HG13	1:52:B:HIS:HB2	19	1.11
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG12	3	1.11
(3,1192)	1:73:B:ILE:HG22	1:73:B:ILE:HG12	3	1.11
(3,999)	1:89:B:GLU:HG2	1:86:B:ARG:HG2	6	1.11
(3,865)	1:101:B:ILE:HD13	1:102:B:MET:HG3	4	1.11
(3,865)	1:101:B:ILE:HD12	1:102:B:MET:HG3	11	1.11
(3,862)	1:101:B:ILE:HD11	1:98:B:LEU:HB3	13	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,838)	1:102:B:MET:HE1	1:99:B:GLY:HA3	12	1.11
(3,734)	1:114:B:ILE:HG22	1:102:B:MET:HE3	9	1.11
(3,734)	1:114:B:ILE:HG23	1:115:B:VAL:HB	15	1.11
(3,719)	1:27:B:VAL:HG12	1:30:B:GLN:HE22	4	1.11
(3,602)	1:121:B:LEU:HD13	1:85:B:GLN:HG2	15	1.11
(3,541)	1:124:B:VAL:HG21	1:115:B:VAL:HB	1	1.11
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE1	17	1.11
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	10	1.11
(3,164)	1:76:B:TRP:HE1	1:109:B:ARG:HG2	12	1.11
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	7	1.11
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD21	10	1.11
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD22	10	1.11
(1,2579)	1:16:B:HIS:HB3	1:20:B:LEU:HD23	10	1.11
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	8	1.11
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	8	1.11
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE1	11	1.11
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE2	11	1.11
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	15	1.11
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	15	1.11
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	15	1.11
(1,2390)	1:36:B:ILE:HG13	1:35:B:ALA:H	6	1.11
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	12	1.11
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	12	1.11
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	12	1.11
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	11	1.11
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	20	1.11
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	20	1.11
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	20	1.11
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	17	1.11
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	7	1.11
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	20	1.11
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	2	1.11
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	2	1.11
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	2	1.11
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	4	1.11
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	4	1.11
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	4	1.11
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	19	1.11
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	19	1.11
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	19	1.11
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	1	1.11
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	1	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	1	1.11
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD21	20	1.11
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD22	20	1.11
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD23	20	1.11
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	10	1.11
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	10	1.11
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	10	1.11
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	10	1.11
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	10	1.11
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	10	1.11
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	10	1.11
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	10	1.11
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	10	1.11
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	3	1.11
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	3	1.11
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	3	1.11
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	20	1.11
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	20	1.11
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	20	1.11
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	20	1.11
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	20	1.11
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	20	1.11
(1,1070)	1:124:B:VAL:HG23	1:130:B:LEU:HB3	11	1.11
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD21	5	1.11
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD22	5	1.11
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD23	5	1.11
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	16	1.11
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	16	1.11
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	20	1.11
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	20	1.11
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	20	1.11
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	20	1.11
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	20	1.11
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	20	1.11
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	1	1.11
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	1	1.11
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	17	1.11
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	17	1.11
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	10	1.11
(3,1903)	1:76:B:TRP:HZ3	1:74:B:VAL:HG23	9	1.1
(3,1733)	1:21:B:TYR:HE1	1:57:B:MET:HB3	10	1.1
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD23	4	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG22	13	1.1
(3,1577)	1:22:B:LEU:HD12	1:23:B:ALA:HA	10	1.1
(3,1384)	1:54:B:LEU:HD21	1:60:B:ALA:HB3	9	1.1
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	13	1.1
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	18	1.1
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	9	1.1
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG12	15	1.1
(3,1243)	1:70:B:GLY:HA3	1:63:B:VAL:HB	19	1.1
(3,1207)	1:73:B:ILE:HG22	1:109:B:ARG:HD2	8	1.1
(3,1192)	1:73:B:ILE:HG22	1:73:B:ILE:HG12	6	1.1
(3,1174)	1:74:B:VAL:HG12	1:75:B:LEU:HG	3	1.1
(3,1074)	1:84:B:LEU:HD13	1:118:B:LEU:HD12	4	1.1
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	16	1.1
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD11	3	1.1
(3,936)	1:32:B:VAL:HG21	1:35:B:ALA:HA	3	1.1
(3,817)	1:105:B:ILE:HD13	1:76:B:TRP:HE3	14	1.1
(3,711)	1:87:B:LEU:HD13	1:91:B:PHE:H	18	1.1
(3,685)	1:84:B:LEU:HD11	1:117:B:LYS:HB2	1	1.1
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	13	1.1
(3,621)	1:119:B:LEU:HD13	1:119:B:LEU:HB2	19	1.1
(3,485)	1:131:B:TYR:HE2	1:130:B:LEU:HB2	3	1.1
(3,451)	1:127:B:ARG:HD3	1:115:B:VAL:HG21	7	1.1
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG3	9	1.1
(3,378)	1:22:B:LEU:HD11	1:18:B:ARG:HD2	14	1.1
(3,363)	1:40:B:LEU:HD21	1:39:B:HIS:H	2	1.1
(3,363)	1:40:B:LEU:HD21	1:39:B:HIS:H	19	1.1
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE2	13	1.1
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD13	19	1.1
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD12	20	1.1
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD11	13	1.1
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG13	7	1.1
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	4	1.1
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	4	1.1
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	4	1.1
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG21	9	1.1
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG22	9	1.1
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG23	9	1.1
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD1	6	1.1
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	20	1.1
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	20	1.1
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	20	1.1
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	7	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	7	1.1
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	7	1.1
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	5	1.1
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	5	1.1
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	5	1.1
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	5	1.1
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	5	1.1
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	5	1.1
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	5	1.1
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	5	1.1
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	5	1.1
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	20	1.1
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	20	1.1
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	20	1.1
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	3	1.1
(1,1577)	1:92:B:ARG:HB3	1:97:B:VAL:HB	8	1.1
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	11	1.1
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	11	1.1
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	11	1.1
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	2	1.1
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	2	1.1
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	2	1.1
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	18	1.1
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	18	1.1
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	18	1.1
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	2	1.1
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	2	1.1
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	2	1.1
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	13	1.1
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	13	1.1
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	13	1.1
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	13	1.1
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	13	1.1
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	13	1.1
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	13	1.1
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	13	1.1
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	13	1.1
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	13	1.1
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	13	1.1
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	13	1.1
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	13	1.1
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	13	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	13	1.1
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	13	1.1
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	13	1.1
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	13	1.1
(1,1070)	1:124:B:VAL:HG21	1:130:B:LEU:HG	12	1.1
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	13	1.1
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	13	1.1
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	13	1.1
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	13	1.1
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	13	1.1
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	13	1.1
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	13	1.1
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	13	1.1
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	13	1.1
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	16	1.1
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	16	1.1
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	16	1.1
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	16	1.1
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	16	1.1
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	16	1.1
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	16	1.1
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	16	1.1
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	16	1.1
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	4	1.1
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	4	1.1
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	4	1.1
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	4	1.1
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	4	1.1
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	4	1.1
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	4	1.1
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	4	1.1
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	4	1.1
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	2	1.1
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	5	1.1
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	5	1.1
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	5	1.1
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG2	18	1.1
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	12	1.1
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	11	1.1
(3,1859)	1:8:B:THR:HG21	1:9:B:TRP:HE1	18	1.09
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB2	17	1.09
(3,1770)	1:17:B:LEU:HD22	1:13:B:GLU:HG2	13	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	4	1.09
(3,1575)	1:40:B:LEU:HD12	1:45:B:ARG:HD3	11	1.09
(3,1434)	1:51:B:ILE:HG22	1:54:B:LEU:HB3	8	1.09
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD2	16	1.09
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG22	6	1.09
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	4	1.09
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG12	18	1.09
(3,1192)	1:73:B:ILE:HG23	1:73:B:ILE:HG12	11	1.09
(3,1190)	1:73:B:ILE:HG22	1:74:B:VAL:HB	8	1.09
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	5	1.09
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	13	1.09
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG13	4	1.09
(3,936)	1:32:B:VAL:HG22	1:35:B:ALA:HA	2	1.09
(3,936)	1:32:B:VAL:HG21	1:35:B:ALA:HA	18	1.09
(3,916)	1:37:B:LEU:HD11	1:50:B:ILE:H	9	1.09
(3,914)	1:98:B:LEU:HD23	1:130:B:LEU:H	10	1.09
(3,731)	1:128:B:ARG:HB3	1:129:B:GLU:HG3	1	1.09
(3,725)	1:18:B:ARG:HB2	1:59:B:LEU:HD11	11	1.09
(3,690)	1:115:B:VAL:HG21	1:118:B:LEU:HD11	2	1.09
(3,674)	1:7:B:PRO:HB3	1:43:B:VAL:HG12	8	1.09
(3,659)	1:116:B:ASP:HB2	1:127:B:ARG:HG2	10	1.09
(3,621)	1:119:B:LEU:HD13	1:119:B:LEU:HB2	1	1.09
(3,621)	1:119:B:LEU:HD11	1:119:B:LEU:HB2	5	1.09
(3,621)	1:119:B:LEU:HD11	1:119:B:LEU:HB2	13	1.09
(3,621)	1:119:B:LEU:HD12	1:119:B:LEU:HB2	17	1.09
(3,621)	1:119:B:LEU:HD13	1:119:B:LEU:HB2	20	1.09
(3,602)	1:121:B:LEU:HD11	1:85:B:GLN:HG2	7	1.09
(3,585)	1:121:B:LEU:HD13	1:81:B:GLU:H	4	1.09
(3,485)	1:131:B:TYR:HE1	1:130:B:LEU:HB2	2	1.09
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	2	1.09
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	2	1.09
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	2	1.09
(2,24)	1:121:B:LEU:HD11	1:114:B:ILE:HG12	17	1.09
(2,24)	1:121:B:LEU:HD12	1:114:B:ILE:HG12	17	1.09
(2,24)	1:121:B:LEU:HD13	1:114:B:ILE:HG12	17	1.09
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	8	1.09
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	15	1.09
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	15	1.09
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	15	1.09
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	18	1.09
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	18	1.09
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	18	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	10	1.09
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	5	1.09
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	5	1.09
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	5	1.09
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	20	1.09
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	20	1.09
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	20	1.09
(1,2282)	1:43:B:VAL:HG13	1:49:B:GLN:HB3	9	1.09
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	8	1.09
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	8	1.09
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	8	1.09
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	18	1.09
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	18	1.09
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	18	1.09
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	10	1.09
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	10	1.09
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	10	1.09
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	9	1.09
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG11	17	1.09
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG12	17	1.09
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG13	17	1.09
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	19	1.09
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	19	1.09
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	19	1.09
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	19	1.09
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	19	1.09
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	19	1.09
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	19	1.09
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	19	1.09
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	19	1.09
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	19	1.09
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	19	1.09
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	19	1.09
(1,1515)	1:97:B:VAL:HG11	1:123:B:LEU:HB3	15	1.09
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	13	1.09
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	13	1.09
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	13	1.09
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	6	1.09
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	6	1.09
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	6	1.09
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	6	1.09
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	6	1.09
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	19	1.09
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	19	1.09
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	19	1.09
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	7	1.09
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	7	1.09
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	7	1.09
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	7	1.09
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	7	1.09
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	7	1.09
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	7	1.09
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	7	1.09
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	7	1.09
(1,1138)	1:121:B:LEU:HD11	1:85:B:GLN:HB2	13	1.09
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	19	1.09
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	19	1.09
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	19	1.09
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	19	1.09
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	19	1.09
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	19	1.09
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	19	1.09
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	19	1.09
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	19	1.09
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	14	1.09
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	14	1.09
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	14	1.09
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	14	1.09
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	14	1.09
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	14	1.09
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	14	1.09
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	14	1.09
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	14	1.09
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	18	1.09
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	18	1.09
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	7	1.09
(3,1878)	1:118:B:LEU:HD21	1:114:B:ILE:HG22	18	1.08
(3,1874)	1:118:B:LEU:HD12	1:84:B:LEU:HG	4	1.08
(3,1868)	1:118:B:LEU:HD12	1:125:B:ALA:H	3	1.08
(3,1859)	1:8:B:THR:HG21	1:9:B:TRP:HE1	10	1.08
(3,1859)	1:8:B:THR:HG23	1:9:B:TRP:HE1	13	1.08
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	1	1.08
(3,1800)	1:15:B:ALA:HB3	1:22:B:LEU:HD12	10	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB3	10	1.08
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	13	1.08
(3,1663)	1:32:B:VAL:HG12	1:33:B:VAL:HG12	16	1.08
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	18	1.08
(3,1591)	1:39:B:HIS:HD2	1:40:B:LEU:HD11	2	1.08
(3,1572)	1:40:B:LEU:HD12	1:20:B:LEU:HD22	12	1.08
(3,1560)	1:41:B:ASN:HB2	1:40:B:LEU:HB3	1	1.08
(3,1474)	1:50:B:ILE:HD13	1:43:B:VAL:H	6	1.08
(3,1454)	1:51:B:ILE:HD12	1:49:B:GLN:H	9	1.08
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE1	2	1.08
(3,1319)	1:37:B:LEU:HD22	1:66:B:PHE:HE1	10	1.08
(3,1234)	1:46:B:THR:HG23	1:47:B:ARG:HD3	2	1.08
(3,1110)	1:82:B:LEU:HD12	1:87:B:LEU:H	20	1.08
(3,1027)	1:88:B:PHE:HA	1:123:B:LEU:HB3	4	1.08
(3,912)	1:98:B:LEU:HD22	1:131:B:TYR:HD2	16	1.08
(3,866)	1:105:B:ILE:HD13	1:109:B:ARG:HD3	15	1.08
(3,852)	1:114:B:ILE:HG23	1:88:B:PHE:H	12	1.08
(3,814)	1:107:B:ALA:HB2	1:84:B:LEU:HA	13	1.08
(3,749)	1:114:B:ILE:HD13	1:118:B:LEU:HD22	14	1.08
(3,734)	1:114:B:ILE:HG23	1:115:B:VAL:HB	17	1.08
(3,621)	1:119:B:LEU:HD12	1:119:B:LEU:HB2	8	1.08
(3,621)	1:119:B:LEU:HD13	1:119:B:LEU:HB2	9	1.08
(3,621)	1:119:B:LEU:HD12	1:119:B:LEU:HB2	12	1.08
(3,621)	1:119:B:LEU:HD13	1:119:B:LEU:HB2	18	1.08
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB2	15	1.08
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	6	1.08
(3,493)	1:130:B:LEU:HD12	1:128:B:ARG:HA	18	1.08
(3,363)	1:40:B:LEU:HD21	1:39:B:HIS:H	3	1.08
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD11	18	1.08
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	15	1.08
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	15	1.08
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	15	1.08
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	17	1.08
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	17	1.08
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	17	1.08
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE1	3	1.08
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE2	3	1.08
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	16	1.08
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	13	1.08
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	16	1.08
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	16	1.08
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	16	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	3	1.08
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	3	1.08
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	3	1.08
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	20	1.08
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	20	1.08
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	20	1.08
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	9	1.08
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	9	1.08
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	9	1.08
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	20	1.08
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	20	1.08
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	20	1.08
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	8	1.08
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	8	1.08
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	8	1.08
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	8	1.08
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	8	1.08
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	8	1.08
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	17	1.08
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	17	1.08
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	17	1.08
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	2	1.08
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	2	1.08
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	2	1.08
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	1	1.08
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	1	1.08
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	1	1.08
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	14	1.08
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	14	1.08
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	14	1.08
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG22	15	1.08
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	7	1.08
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	7	1.08
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	7	1.08
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	6	1.08
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	6	1.08
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	6	1.08
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	14	1.08
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	14	1.08
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	14	1.08
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	19	1.08
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	19	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	19	1.08
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	19	1.08
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	19	1.08
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	19	1.08
(1,1070)	1:124:B:VAL:HG22	1:130:B:LEU:HG	9	1.08
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	9	1.08
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	9	1.08
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	9	1.08
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE1	8	1.08
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE2	8	1.08
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE1	8	1.08
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE2	8	1.08
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE1	8	1.08
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE2	8	1.08
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG22	9	1.08
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE3	3	1.07
(3,1859)	1:8:B:THR:HG22	1:9:B:TRP:HE1	8	1.07
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB2	8	1.07
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	2	1.07
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	18	1.07
(3,1437)	1:51:B:ILE:HG23	1:50:B:ILE:HA	15	1.07
(3,1418)	1:52:B:HIS:HD2	1:55:B:VAL:HB	12	1.07
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	6	1.07
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	20	1.07
(3,1276)	1:63:B:VAL:HG21	1:66:B:PHE:HZ	15	1.07
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG23	6	1.07
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD11	10	1.07
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	9	1.07
(3,1192)	1:73:B:ILE:HG21	1:73:B:ILE:HG12	7	1.07
(3,1192)	1:73:B:ILE:HG22	1:73:B:ILE:HG12	10	1.07
(3,1192)	1:73:B:ILE:HG21	1:73:B:ILE:HG12	12	1.07
(3,1192)	1:73:B:ILE:HG23	1:73:B:ILE:HG12	15	1.07
(3,1192)	1:73:B:ILE:HG23	1:73:B:ILE:HG12	19	1.07
(3,1192)	1:73:B:ILE:HG22	1:73:B:ILE:HG12	20	1.07
(3,1139)	1:72:B:HIS:HB2	1:73:B:ILE:HG13	15	1.07
(3,1037)	1:20:B:LEU:HD13	1:16:B:HIS:HE1	2	1.07
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	9	1.07
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD13	4	1.07
(3,841)	1:102:B:MET:HE3	1:109:B:ARG:HB3	16	1.07
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD12	8	1.07
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD23	17	1.07
(3,749)	1:114:B:ILE:HD13	1:118:B:LEU:HD23	17	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD13	10	1.07
(3,711)	1:87:B:LEU:HD13	1:91:B:PHE:H	19	1.07
(3,621)	1:119:B:LEU:HD13	1:119:B:LEU:HB2	4	1.07
(3,621)	1:119:B:LEU:HD11	1:119:B:LEU:HB2	6	1.07
(3,621)	1:119:B:LEU:HD11	1:119:B:LEU:HB2	11	1.07
(3,550)	1:124:B:VAL:HG13	1:118:B:LEU:HB3	6	1.07
(3,352)	1:33:B:VAL:HG12	1:34:B:GLU:H	7	1.07
(3,349)	1:33:B:VAL:HG13	1:37:B:LEU:H	11	1.07
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG11	17	1.07
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	3	1.07
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	3	1.07
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	10	1.07
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	10	1.07
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	10	1.07
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	9	1.07
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	9	1.07
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	9	1.07
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	12	1.07
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	12	1.07
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	12	1.07
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	1	1.07
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	1	1.07
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	1	1.07
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	8	1.07
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	8	1.07
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	8	1.07
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	8	1.07
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	8	1.07
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	8	1.07
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	18	1.07
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	18	1.07
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	18	1.07
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	9	1.07
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	9	1.07
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	9	1.07
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	10	1.07
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	10	1.07
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	10	1.07
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	10	1.07
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	10	1.07
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	10	1.07
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	10	1.07
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	10	1.07
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD21	17	1.07
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD22	17	1.07
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD23	17	1.07
(1,1549)	1:65:B:ASP:HB3	1:64:B:LYS:HB2	7	1.07
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	8	1.07
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	8	1.07
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	8	1.07
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	8	1.07
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	8	1.07
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	8	1.07
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	8	1.07
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	8	1.07
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	8	1.07
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	4	1.07
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	4	1.07
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	4	1.07
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	20	1.07
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	20	1.07
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	20	1.07
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	9	1.07
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	9	1.07
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	9	1.07
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	9	1.07
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	9	1.07
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	9	1.07
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	9	1.07
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	9	1.07
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	9	1.07
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	18	1.07
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	18	1.07
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	18	1.07
(1,1070)	1:124:B:VAL:HG21	1:130:B:LEU:HB3	7	1.07
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	10	1.07
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	10	1.07
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	10	1.07
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	10	1.07
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	10	1.07
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	10	1.07
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	10	1.07
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	10	1.07
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	10	1.07
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	10	1.07
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	15	1.07
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	15	1.07
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	5	1.07
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	5	1.07
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	5	1.07
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	8	1.07
(3,1878)	1:118:B:LEU:HD23	1:114:B:ILE:HG23	3	1.06
(3,1878)	1:118:B:LEU:HD23	1:114:B:ILE:HG21	4	1.06
(3,1859)	1:8:B:THR:HG22	1:9:B:TRP:HE1	17	1.06
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	15	1.06
(3,1605)	1:37:B:LEU:HA	1:39:B:HIS:HB3	10	1.06
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	9	1.06
(3,1267)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	15	1.06
(3,1192)	1:73:B:ILE:HG23	1:73:B:ILE:HG12	2	1.06
(3,1192)	1:73:B:ILE:HG21	1:73:B:ILE:HG12	8	1.06
(3,1188)	1:73:B:ILE:HG22	1:109:B:ARG:HD3	4	1.06
(3,1139)	1:72:B:HIS:HB2	1:73:B:ILE:HG13	12	1.06
(3,1088)	1:102:B:MET:HA	1:84:B:LEU:HD23	6	1.06
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD13	5	1.06
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD13	17	1.06
(3,953)	1:93:B:ASP:HB2	1:97:B:VAL:HG22	9	1.06
(3,936)	1:32:B:VAL:HG21	1:35:B:ALA:HA	9	1.06
(3,912)	1:98:B:LEU:HD22	1:131:B:TYR:HD1	12	1.06
(3,825)	1:105:B:ILE:HG21	1:108:B:LYS:HB3	7	1.06
(3,811)	1:107:B:ALA:HB3	1:109:B:ARG:HB2	12	1.06
(3,750)	1:114:B:ILE:HG22	1:118:B:LEU:HD22	16	1.06
(3,734)	1:114:B:ILE:HG23	1:115:B:VAL:HB	3	1.06
(3,722)	1:27:B:VAL:HG12	1:30:B:GLN:HE21	18	1.06
(3,621)	1:119:B:LEU:HD12	1:119:B:LEU:HB2	3	1.06
(3,621)	1:119:B:LEU:HD11	1:119:B:LEU:HB2	7	1.06
(3,621)	1:119:B:LEU:HD11	1:119:B:LEU:HB2	14	1.06
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB2	6	1.06
(3,363)	1:40:B:LEU:HD21	1:39:B:HIS:H	4	1.06
(3,363)	1:40:B:LEU:HD23	1:39:B:HIS:H	5	1.06
(3,357)	1:98:B:LEU:HD12	1:114:B:ILE:H	6	1.06
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG21	10	1.06
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	1	1.06
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	2	1.06
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	14	1.06
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HB2	17	1.06
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG21	18	1.06
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG22	18	1.06
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG23	18	1.06
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	9	1.06
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	9	1.06
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	9	1.06
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	3	1.06
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	13	1.06
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	13	1.06
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	13	1.06
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG21	6	1.06
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG22	6	1.06
(1,1659)	1:67:B:GLN:HB2	1:63:B:VAL:HG23	6	1.06
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	2	1.06
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	2	1.06
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	2	1.06
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	8	1.06
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	8	1.06
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	8	1.06
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	18	1.06
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	18	1.06
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	18	1.06
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	9	1.06
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	9	1.06
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	9	1.06
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	16	1.06
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	16	1.06
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	16	1.06
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	9	1.06
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	9	1.06
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	9	1.06
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	9	1.06
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	9	1.06
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	9	1.06
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	14	1.06
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	14	1.06
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	14	1.06
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	3	1.06
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	3	1.06
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	3	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	3	1.06
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	3	1.06
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	3	1.06
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	3	1.06
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	3	1.06
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	3	1.06
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	12	1.06
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	12	1.06
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	12	1.06
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	12	1.06
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	12	1.06
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	12	1.06
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	12	1.06
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	12	1.06
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	12	1.06
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	20	1.06
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	20	1.06
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	20	1.06
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	20	1.06
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	20	1.06
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	20	1.06
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	20	1.06
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	20	1.06
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	20	1.06
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	6	1.06
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	6	1.06
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	6	1.06
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	6	1.06
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	6	1.06
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	6	1.06
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	6	1.06
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	6	1.06
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	6	1.06
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	15	1.06
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	15	1.06
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	15	1.06
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	15	1.06
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	15	1.06
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	15	1.06
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	15	1.06
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	15	1.06
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	15	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	19	1.06
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	19	1.06
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	19	1.06
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	19	1.06
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	19	1.06
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	19	1.06
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	19	1.06
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	19	1.06
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	19	1.06
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	5	1.06
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	5	1.06
(1,919)	1:133:B:LYS:HB2	1:134:B:ARG:HD2	9	1.06
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	9	1.06
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	20	1.06
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	13	1.06
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	13	1.06
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	13	1.06
(3,1878)	1:118:B:LEU:HD23	1:114:B:ILE:HG21	20	1.05
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD21	3	1.05
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HB3	12	1.05
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	3	1.05
(3,1577)	1:22:B:LEU:HD11	1:23:B:ALA:HA	20	1.05
(3,1576)	1:22:B:LEU:HD12	1:18:B:ARG:HD3	12	1.05
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	16	1.05
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE2	12	1.05
(3,1314)	1:37:B:LEU:HD21	1:34:B:GLU:HG2	10	1.05
(3,1288)	1:61:B:ASP:HB3	1:64:B:LYS:HD2	6	1.05
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD11	4	1.05
(3,1192)	1:73:B:ILE:HG23	1:73:B:ILE:HG12	1	1.05
(3,1192)	1:73:B:ILE:HG21	1:73:B:ILE:HG12	5	1.05
(3,1189)	1:73:B:ILE:HG21	1:113:B:ARG:HB3	18	1.05
(3,1188)	1:73:B:ILE:HG23	1:109:B:ARG:HD3	10	1.05
(3,1074)	1:84:B:LEU:HD11	1:118:B:LEU:HD11	19	1.05
(3,936)	1:32:B:VAL:HG22	1:35:B:ALA:HA	5	1.05
(3,936)	1:32:B:VAL:HG21	1:35:B:ALA:HA	16	1.05
(3,852)	1:114:B:ILE:HG23	1:88:B:PHE:H	8	1.05
(3,852)	1:114:B:ILE:HG22	1:88:B:PHE:H	14	1.05
(3,852)	1:114:B:ILE:HG22	1:88:B:PHE:H	17	1.05
(3,797)	1:133:B:LYS:HG2	1:135:B:GLN:HG2	11	1.05
(3,734)	1:114:B:ILE:HG22	1:102:B:MET:HE1	7	1.05
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD23	10	1.05
(3,621)	1:119:B:LEU:HD11	1:119:B:LEU:HB2	2	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,550)	1:124:B:VAL:HG11	1:118:B:LEU:HB3	3	1.05
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	10	1.05
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	5	1.05
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	5	1.05
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	5	1.05
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	12	1.05
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	12	1.05
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	12	1.05
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	1	1.05
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	1	1.05
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	1	1.05
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	15	1.05
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	15	1.05
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	15	1.05
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD11	10	1.05
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD12	10	1.05
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD13	10	1.05
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	7	1.05
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	7	1.05
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	7	1.05
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	7	1.05
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	7	1.05
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	7	1.05
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	7	1.05
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	7	1.05
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	7	1.05
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD3	10	1.05
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	1	1.05
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	1	1.05
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	1	1.05
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	9	1.05
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	9	1.05
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	9	1.05
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	15	1.05
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	15	1.05
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	15	1.05
(1,1241)	1:115:B:VAL:HG11	1:115:B:VAL:H	20	1.05
(1,1241)	1:115:B:VAL:HG12	1:115:B:VAL:H	20	1.05
(1,1241)	1:115:B:VAL:HG13	1:115:B:VAL:H	20	1.05
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	10	1.05
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	10	1.05
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	18	1.05
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	18	1.05
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	18	1.05
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	18	1.05
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	18	1.05
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	18	1.05
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	18	1.05
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	18	1.05
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	18	1.05
(1,929)	1:67:B:GLN:HG3	1:51:B:ILE:HG12	17	1.05
(1,908)	1:82:B:LEU:HD21	1:85:B:GLN:HG2	11	1.05
(1,908)	1:82:B:LEU:HD22	1:85:B:GLN:HG2	11	1.05
(1,908)	1:82:B:LEU:HD23	1:85:B:GLN:HG2	11	1.05
(1,879)	1:59:B:LEU:HD21	1:21:B:TYR:HD1	15	1.05
(1,825)	1:141:B:SER:H	1:129:B:GLU:HG2	17	1.05
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	17	1.05
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	17	1.05
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	17	1.05
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	17	1.05
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	19	1.05
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	19	1.05
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	19	1.05
(3,1878)	1:118:B:LEU:HD21	1:114:B:ILE:HG21	12	1.04
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	7	1.04
(3,1670)	1:32:B:VAL:HG21	1:22:B:LEU:H	18	1.04
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG12	1	1.04
(3,1605)	1:37:B:LEU:HA	1:39:B:HIS:HB3	4	1.04
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	19	1.04
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD13	2	1.04
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG21	18	1.04
(3,1528)	1:46:B:THR:HB	1:45:B:ARG:HG2	19	1.04
(3,1471)	1:50:B:ILE:HD12	1:42:B:THR:HG22	10	1.04
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	10	1.04
(3,1276)	1:63:B:VAL:HG23	1:67:B:GLN:HE22	2	1.04
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG11	5	1.04
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG12	17	1.04
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	16	1.04
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG22	16	1.04
(3,1171)	1:74:B:VAL:HG13	1:76:B:TRP:HE1	12	1.04
(3,1027)	1:88:B:PHE:HA	1:123:B:LEU:HB3	7	1.04
(3,936)	1:32:B:VAL:HG23	1:35:B:ALA:HA	15	1.04
(3,936)	1:32:B:VAL:HG22	1:35:B:ALA:HA	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,852)	1:114:B:ILE:HG23	1:88:B:PHE:H	1	1.04
(3,852)	1:114:B:ILE:HG23	1:88:B:PHE:H	20	1.04
(3,838)	1:102:B:MET:HE3	1:99:B:GLY:HA3	3	1.04
(3,807)	1:107:B:ALA:HB1	1:74:B:VAL:HG13	5	1.04
(3,749)	1:114:B:ILE:HD13	1:118:B:LEU:HD22	16	1.04
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	20	1.04
(3,659)	1:95:B:ASP:HB3	1:132:B:LYS:HD3	16	1.04
(3,621)	1:119:B:LEU:HD13	1:119:B:LEU:HB2	16	1.04
(3,596)	1:20:B:LEU:HD21	1:40:B:LEU:HG	19	1.04
(3,550)	1:124:B:VAL:HG11	1:118:B:LEU:HB3	9	1.04
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD13	17	1.04
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD13	8	1.04
(3,195)	1:86:B:ARG:H	1:90:B:GLU:HG2	15	1.04
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD23	20	1.04
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	8	1.04
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	12	1.04
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	12	1.04
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE1	8	1.04
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE2	8	1.04
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	18	1.04
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	18	1.04
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	18	1.04
(1,2335)	1:40:B:LEU:HD13	1:13:B:GLU:HG3	15	1.04
(1,2276)	1:43:B:VAL:HG22	1:49:B:GLN:HB3	19	1.04
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	16	1.04
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	16	1.04
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	16	1.04
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	11	1.04
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	11	1.04
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	11	1.04
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	5	1.04
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	5	1.04
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	5	1.04
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	5	1.04
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	5	1.04
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	5	1.04
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	5	1.04
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	5	1.04
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	5	1.04
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	7	1.04
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	7	1.04
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	9	1.04
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	9	1.04
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	9	1.04
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	16	1.04
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG21	10	1.04
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG22	10	1.04
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG23	10	1.04
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	13	1.04
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	13	1.04
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	13	1.04
(1,1632)	1:45:B:ARG:HB2	1:48:B:LYS:HE2	1	1.04
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	2	1.04
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	10	1.04
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	10	1.04
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	10	1.04
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	9	1.04
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	9	1.04
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	9	1.04
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	11	1.04
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	11	1.04
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	11	1.04
(1,1070)	1:124:B:VAL:HG23	1:130:B:LEU:HB3	3	1.04
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	11	1.04
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	11	1.04
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	11	1.04
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	11	1.04
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	11	1.04
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	11	1.04
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	11	1.04
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	11	1.04
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	11	1.04
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	12	1.04
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	12	1.04
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	12	1.04
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	12	1.04
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	12	1.04
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	12	1.04
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	12	1.04
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	12	1.04
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	12	1.04
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	4	1.04
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG23	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	6	1.03
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB3	12	1.03
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD22	15	1.03
(3,1671)	1:32:B:VAL:HG11	1:66:B:PHE:H	4	1.03
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG23	12	1.03
(3,1437)	1:51:B:ILE:HG23	1:62:B:SER:HB3	8	1.03
(3,1437)	1:51:B:ILE:HG23	1:50:B:ILE:HA	10	1.03
(3,1361)	1:55:B:VAL:HG11	1:52:B:HIS:HB2	8	1.03
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	8	1.03
(3,1276)	1:63:B:VAL:HG22	1:66:B:PHE:HZ	7	1.03
(3,1267)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	18	1.03
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG11	3	1.03
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD2	18	1.03
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG12	1	1.03
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	7	1.03
(3,1192)	1:73:B:ILE:HG22	1:73:B:ILE:HG12	9	1.03
(3,1192)	1:73:B:ILE:HG21	1:73:B:ILE:HG12	16	1.03
(3,1188)	1:73:B:ILE:HG23	1:109:B:ARG:HD3	20	1.03
(3,1037)	1:20:B:LEU:HD12	1:16:B:HIS:HE1	14	1.03
(3,1027)	1:88:B:PHE:HA	1:84:B:LEU:HD23	17	1.03
(3,936)	1:32:B:VAL:HG22	1:35:B:ALA:HA	6	1.03
(3,912)	1:98:B:LEU:HD23	1:76:B:TRP:HZ2	11	1.03
(3,897)	1:98:B:LEU:HD22	1:101:B:ILE:HB	20	1.03
(3,852)	1:114:B:ILE:HG22	1:88:B:PHE:H	5	1.03
(3,815)	1:106:B:THR:HG21	1:84:B:LEU:H	14	1.03
(3,809)	1:107:B:ALA:HB2	1:80:B:GLN:HB3	16	1.03
(3,749)	1:114:B:ILE:HD12	1:118:B:LEU:HD22	10	1.03
(3,734)	1:114:B:ILE:HG22	1:115:B:VAL:HB	11	1.03
(3,734)	1:114:B:ILE:HG23	1:115:B:VAL:HB	14	1.03
(3,722)	1:27:B:VAL:HG11	1:30:B:GLN:HE21	8	1.03
(3,541)	1:124:B:VAL:HG22	1:115:B:VAL:HB	2	1.03
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	8	1.03
(3,485)	1:131:B:TYR:HE2	1:130:B:LEU:HB2	10	1.03
(3,439)	1:14:B:GLU:HB3	1:17:B:LEU:HG	19	1.03
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD21	7	1.03
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	7	1.03
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	4	1.03
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG3	17	1.03
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	2	1.03
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	2	1.03
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	2	1.03
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	12	1.03
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	12	1.03
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	12	1.03
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	14	1.03
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	14	1.03
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	14	1.03
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	7	1.03
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	7	1.03
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	7	1.03
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	7	1.03
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	7	1.03
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	7	1.03
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	7	1.03
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	7	1.03
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	7	1.03
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	7	1.03
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	18	1.03
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	1	1.03
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	4	1.03
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	4	1.03
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	4	1.03
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	4	1.03
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	4	1.03
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	4	1.03
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	12	1.03
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	12	1.03
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	12	1.03
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	12	1.03
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	12	1.03
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	12	1.03
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE2	17	1.03
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	4	1.03
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	4	1.03
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	4	1.03
(1,1241)	1:115:B:VAL:HG11	1:115:B:VAL:H	13	1.03
(1,1241)	1:115:B:VAL:HG12	1:115:B:VAL:H	13	1.03
(1,1241)	1:115:B:VAL:HG13	1:115:B:VAL:H	13	1.03
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	20	1.03
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	20	1.03
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	20	1.03
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	16	1.03
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	16	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	16	1.03
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	3	1.03
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	3	1.03
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	3	1.03
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	3	1.03
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	3	1.03
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	3	1.03
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	4	1.03
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	4	1.03
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	4	1.03
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	17	1.03
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	17	1.03
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	17	1.03
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	8	1.03
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	8	1.03
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	8	1.03
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	8	1.03
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	8	1.03
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	8	1.03
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	8	1.03
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	8	1.03
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	8	1.03
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	7	1.03
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	7	1.03
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	1	1.03
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	1	1.03
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	2	1.03
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	6	1.03
(3,1874)	1:118:B:LEU:HD12	1:84:B:LEU:HG	1	1.02
(3,1874)	1:118:B:LEU:HD13	1:84:B:LEU:HG	8	1.02
(3,1874)	1:118:B:LEU:HD13	1:84:B:LEU:HG	18	1.02
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	3	1.02
(3,1671)	1:32:B:VAL:HG13	1:66:B:PHE:H	19	1.02
(3,1670)	1:32:B:VAL:HG21	1:22:B:LEU:H	12	1.02
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	8	1.02
(3,1665)	1:32:B:VAL:HG11	1:37:B:LEU:HG	16	1.02
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	8	1.02
(3,1664)	1:32:B:VAL:HG11	1:37:B:LEU:HG	16	1.02
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG23	18	1.02
(3,1575)	1:40:B:LEU:HD12	1:45:B:ARG:HD3	5	1.02
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	12	1.02
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	8	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1321)	1:37:B:LEU:HD23	1:34:B:GLU:H	19	1.02
(3,1243)	1:70:B:GLY:HA3	1:63:B:VAL:HB	17	1.02
(3,1192)	1:73:B:ILE:HG22	1:73:B:ILE:HG12	13	1.02
(3,1192)	1:73:B:ILE:HG21	1:73:B:ILE:HG12	17	1.02
(3,1190)	1:73:B:ILE:HG21	1:74:B:VAL:HB	15	1.02
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG23	11	1.02
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	1	1.02
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD12	15	1.02
(3,936)	1:32:B:VAL:HG22	1:35:B:ALA:HA	11	1.02
(3,903)	1:98:B:LEU:HD22	1:130:B:LEU:HA	18	1.02
(3,841)	1:102:B:MET:HE2	1:109:B:ARG:HB3	13	1.02
(3,817)	1:105:B:ILE:HD13	1:76:B:TRP:HE3	9	1.02
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD12	19	1.02
(3,439)	1:135:B:GLN:HB3	1:136:B:LYS:HG3	17	1.02
(3,381)	1:130:B:LEU:HG	1:129:B:GLU:HB2	12	1.02
(3,195)	1:86:B:ARG:H	1:90:B:GLU:HG2	14	1.02
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG12	2	1.02
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	7	1.02
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	7	1.02
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	7	1.02
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	18	1.02
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	5	1.02
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	5	1.02
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	5	1.02
(1,2282)	1:43:B:VAL:HG11	1:49:B:GLN:HB3	16	1.02
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG21	4	1.02
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG22	4	1.02
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG23	4	1.02
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	17	1.02
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	17	1.02
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	17	1.02
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD21	1	1.02
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD22	1	1.02
(1,1989)	1:59:B:LEU:HA	1:59:B:LEU:HD23	1	1.02
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	2	1.02
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	2	1.02
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	2	1.02
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	11	1.02
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	11	1.02
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	11	1.02
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	11	1.02
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	11	1.02
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	2	1.02
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	17	1.02
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	20	1.02
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	20	1.02
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	20	1.02
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	3	1.02
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	3	1.02
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	3	1.02
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	5	1.02
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	5	1.02
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	5	1.02
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	16	1.02
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	16	1.02
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	16	1.02
(1,1241)	1:115:B:VAL:HG11	1:115:B:VAL:H	8	1.02
(1,1241)	1:115:B:VAL:HG12	1:115:B:VAL:H	8	1.02
(1,1241)	1:115:B:VAL:HG13	1:115:B:VAL:H	8	1.02
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	13	1.02
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	13	1.02
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	13	1.02
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	18	1.02
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	18	1.02
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	18	1.02
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	7	1.02
(1,1139)	1:121:B:LEU:HD11	1:88:B:PHE:HB3	3	1.02
(1,1139)	1:121:B:LEU:HD12	1:88:B:PHE:HB3	3	1.02
(1,1139)	1:121:B:LEU:HD13	1:88:B:PHE:HB3	3	1.02
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	6	1.02
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	6	1.02
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	6	1.02
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	4	1.02
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	4	1.02
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	4	1.02
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	6	1.02
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	12	1.02
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	18	1.02
(3,1878)	1:118:B:LEU:HD22	1:114:B:ILE:HG23	5	1.01
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	11	1.01
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE3	7	1.01
(3,1763)	1:17:B:LEU:HD11	1:36:B:ILE:HG13	6	1.01
(3,1751)	1:113:B:ARG:HD3	1:74:B:VAL:HG22	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1565)	1:22:B:LEU:HB2	1:26:B:ASP:HB2	1	1.01
(3,1518)	1:127:B:ARG:HG2	1:130:B:LEU:HD12	13	1.01
(3,1471)	1:50:B:ILE:HD12	1:46:B:THR:HG22	7	1.01
(3,1298)	1:8:B:THR:HG21	1:7:B:PRO:HB3	6	1.01
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	13	1.01
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	19	1.01
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	5	1.01
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG21	5	1.01
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD23	9	1.01
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	16	1.01
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG11	5	1.01
(3,897)	1:98:B:LEU:HD21	1:101:B:ILE:HB	2	1.01
(3,893)	1:98:B:LEU:HD23	1:118:B:LEU:HD12	13	1.01
(3,750)	1:114:B:ILE:HG22	1:118:B:LEU:HD22	10	1.01
(3,725)	1:47:B:ARG:HB3	1:37:B:LEU:HD23	13	1.01
(3,722)	1:27:B:VAL:HG11	1:30:B:GLN:HE21	10	1.01
(3,596)	1:20:B:LEU:HD21	1:40:B:LEU:HG	18	1.01
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB3	2	1.01
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB2	9	1.01
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD13	5	1.01
(3,352)	1:33:B:VAL:HG11	1:34:B:GLU:H	4	1.01
(1,2564)	1:17:B:LEU:HD11	1:20:B:LEU:H	10	1.01
(1,2564)	1:17:B:LEU:HD12	1:20:B:LEU:H	10	1.01
(1,2564)	1:17:B:LEU:HD13	1:20:B:LEU:H	10	1.01
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	8	1.01
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	8	1.01
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	8	1.01
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	6	1.01
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	6	1.01
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	6	1.01
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	20	1.01
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	20	1.01
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	20	1.01
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	15	1.01
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	15	1.01
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	15	1.01
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	15	1.01
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	15	1.01
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	15	1.01
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	13	1.01
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	13	1.01
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	13	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	3	1.01
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	3	1.01
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	3	1.01
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	6	1.01
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	6	1.01
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	6	1.01
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	9	1.01
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	9	1.01
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	9	1.01
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	10	1.01
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	10	1.01
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	10	1.01
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	13	1.01
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	13	1.01
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	13	1.01
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	15	1.01
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	15	1.01
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	15	1.01
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	19	1.01
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	19	1.01
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	19	1.01
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	20	1.01
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	20	1.01
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	20	1.01
(1,1241)	1:115:B:VAL:HG11	1:115:B:VAL:H	12	1.01
(1,1241)	1:115:B:VAL:HG12	1:115:B:VAL:H	12	1.01
(1,1241)	1:115:B:VAL:HG13	1:115:B:VAL:H	12	1.01
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	17	1.01
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	17	1.01
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	17	1.01
(1,1129)	1:121:B:LEU:HD11	1:118:B:LEU:H	4	1.01
(1,1129)	1:121:B:LEU:HD12	1:118:B:LEU:H	4	1.01
(1,1129)	1:121:B:LEU:HD13	1:118:B:LEU:H	4	1.01
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	1	1.01
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	1	1.01
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	1	1.01
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	1	1.01
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	1	1.01
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	1	1.01
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	1	1.01
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	1	1.01
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	13	1.01
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	13	1.01
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	13	1.01
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	13	1.01
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	13	1.01
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	13	1.01
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	13	1.01
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	13	1.01
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	13	1.01
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	17	1.01
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	17	1.01
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	17	1.01
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	17	1.01
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	17	1.01
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	17	1.01
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	17	1.01
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	17	1.01
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	17	1.01
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	15	1.01
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	15	1.01
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	9	1.01
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	9	1.01
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	9	1.01
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	14	1.01
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	1	1.01
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	17	1.0
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	4	1.0
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	19	1.0
(3,1792)	1:16:B:HIS:HB3	1:43:B:VAL:HG12	1	1.0
(3,1770)	1:17:B:LEU:HD22	1:13:B:GLU:HG3	7	1.0
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	20	1.0
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG22	3	1.0
(3,1485)	1:50:B:ILE:HG21	1:49:B:GLN:H	11	1.0
(3,1391)	1:54:B:LEU:HD11	1:33:B:VAL:H	2	1.0
(3,1319)	1:37:B:LEU:HD23	1:66:B:PHE:HE1	14	1.0
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD22	16	1.0
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	7	1.0
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG11	2	1.0
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	19	1.0
(3,1185)	1:73:B:ILE:HD11	1:109:B:ARG:HD3	16	1.0
(3,1185)	1:73:B:ILE:HD11	1:109:B:ARG:HD3	18	1.0
(3,1182)	1:74:B:VAL:HG22	1:109:B:ARG:HB2	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	17	1.0
(3,935)	1:97:B:VAL:HG22	1:98:B:LEU:HB3	20	1.0
(3,910)	1:98:B:LEU:HD13	1:96:B:ASP:HB3	3	1.0
(3,897)	1:98:B:LEU:HD22	1:101:B:ILE:HB	8	1.0
(3,897)	1:98:B:LEU:HD23	1:118:B:LEU:HB2	17	1.0
(3,860)	1:36:B:ILE:HD11	1:54:B:LEU:HB2	15	1.0
(3,838)	1:102:B:MET:HE3	1:99:B:GLY:HA3	2	1.0
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG23	14	1.0
(3,659)	1:95:B:ASP:HB2	1:132:B:LYS:HD2	14	1.0
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD22	17	1.0
(3,377)	1:98:B:LEU:HD13	1:111:B:ARG:HD3	6	1.0
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE1	10	1.0
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE2	10	1.0
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HB2	15	1.0
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	6	1.0
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	6	1.0
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	6	1.0
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	4	1.0
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	4	1.0
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	4	1.0
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	15	1.0
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	6	1.0
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	20	1.0
(1,1764)	1:82:B:LEU:HD21	1:88:B:PHE:H	5	1.0
(1,1764)	1:82:B:LEU:HD22	1:88:B:PHE:H	5	1.0
(1,1764)	1:82:B:LEU:HD23	1:88:B:PHE:H	5	1.0
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB1	8	1.0
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB2	8	1.0
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB3	8	1.0
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	17	1.0
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	17	1.0
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	17	1.0
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	17	1.0
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	17	1.0
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	17	1.0
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	5	1.0
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	5	1.0
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	5	1.0
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	2	1.0
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	2	1.0
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	2	1.0
(1,1271)	1:114:B:ILE:HG12	1:76:B:TRP:HH2	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	2	1.0
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	2	1.0
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	2	1.0
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	6	1.0
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	6	1.0
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	6	1.0
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	17	1.0
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	17	1.0
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	17	1.0
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	1	1.0
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	1	1.0
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	1	1.0
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	1	1.0
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	1	1.0
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	1	1.0
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	8	1.0
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	8	1.0
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	8	1.0
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	12	1.0
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	12	1.0
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	12	1.0
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	4	1.0
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	4	1.0
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	4	1.0
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	4	1.0
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	4	1.0
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	4	1.0
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	4	1.0
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	4	1.0
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	4	1.0
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	7	1.0
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	7	1.0
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	7	1.0
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	7	1.0
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	7	1.0
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	7	1.0
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	7	1.0
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	7	1.0
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	7	1.0
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	3	1.0
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	14	1.0
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	19	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	8	1.0
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	8	1.0
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	8	1.0
(3,1800)	1:15:B:ALA:HB3	1:22:B:LEU:HD13	5	0.99
(3,1770)	1:17:B:LEU:HD21	1:13:B:GLU:HG3	18	0.99
(3,1683)	1:86:B:ARG:HB3	1:90:B:GLU:HB3	19	0.99
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	6	0.99
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	6	0.99
(3,1629)	1:35:B:ALA:HB2	1:30:B:GLN:HG2	6	0.99
(3,1315)	1:59:B:LEU:HD11	1:18:B:ARG:HB3	6	0.99
(3,1276)	1:63:B:VAL:HG21	1:67:B:GLN:HE22	10	0.99
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD11	3	0.99
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD11	7	0.99
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG11	7	0.99
(3,1192)	1:73:B:ILE:HG21	1:73:B:ILE:HG12	14	0.99
(3,1178)	1:27:B:VAL:HG22	1:30:B:GLN:HE21	3	0.99
(3,1110)	1:82:B:LEU:HD12	1:87:B:LEU:H	1	0.99
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	13	0.99
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	4	0.99
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	6	0.99
(3,893)	1:98:B:LEU:HD23	1:118:B:LEU:HD13	10	0.99
(3,619)	1:119:B:LEU:HD13	1:126:B:GLU:HB2	3	0.99
(3,604)	1:120:B:ALA:HA	1:119:B:LEU:HD21	19	0.99
(3,550)	1:124:B:VAL:HG11	1:118:B:LEU:HB3	14	0.99
(3,485)	1:131:B:TYR:HE1	1:130:B:LEU:HB2	17	0.99
(3,439)	1:135:B:GLN:HB3	1:136:B:LYS:HG3	13	0.99
(3,418)	1:133:B:LYS:HB3	1:134:B:ARG:HD2	17	0.99
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD23	18	0.99
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD22	20	0.99
(3,378)	1:22:B:LEU:HD11	1:18:B:ARG:HD3	19	0.99
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD11	14	0.99
(3,97)	1:108:B:LYS:H	1:108:B:LYS:HG2	6	0.99
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD21	16	0.99
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD22	16	0.99
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD23	16	0.99
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	3	0.99
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	3	0.99
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	3	0.99
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	11	0.99
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	18	0.99
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	14	0.99
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	14	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	4	0.99
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	4	0.99
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	4	0.99
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	16	0.99
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	1	0.99
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	1	0.99
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	1	0.99
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	17	0.99
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	17	0.99
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	17	0.99
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	17	0.99
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	17	0.99
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	17	0.99
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	17	0.99
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	17	0.99
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	17	0.99
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	20	0.99
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	20	0.99
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	20	0.99
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	20	0.99
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	20	0.99
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	20	0.99
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	20	0.99
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	20	0.99
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	20	0.99
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	3	0.99
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	3	0.99
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	3	0.99
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	3	0.99
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	3	0.99
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	3	0.99
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	3	0.99
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	3	0.99
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	3	0.99
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	18	0.99
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	18	0.99
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	18	0.99
(1,1633)	1:90:B:GLU:HG3	1:86:B:ARG:HA	5	0.99
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	9	0.99
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	4	0.99
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	4	0.99
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:98:B:LEU:HB3	1:111:B:ARG:HD3	19	0.99
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD21	7	0.99
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD22	7	0.99
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD23	7	0.99
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD21	7	0.99
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD22	7	0.99
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD23	7	0.99
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD21	7	0.99
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD22	7	0.99
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD23	7	0.99
(1,1251)	1:27:B:VAL:HG11	1:27:B:VAL:H	12	0.99
(1,1251)	1:27:B:VAL:HG12	1:27:B:VAL:H	12	0.99
(1,1251)	1:27:B:VAL:HG13	1:27:B:VAL:H	12	0.99
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	5	0.99
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	5	0.99
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	5	0.99
(1,1130)	1:84:B:LEU:HD21	1:88:B:PHE:H	11	0.99
(1,1130)	1:84:B:LEU:HD22	1:88:B:PHE:H	11	0.99
(1,1130)	1:84:B:LEU:HD23	1:88:B:PHE:H	11	0.99
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	1	0.99
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	1	0.99
(1,929)	1:67:B:GLN:HG3	1:51:B:ILE:HG12	15	0.99
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	5	0.99
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	8	0.99
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	20	0.99
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD11	5	0.99
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD12	5	0.99
(1,232)	1:38:B:ALA:H	1:37:B:LEU:HD13	5	0.99
(3,1878)	1:118:B:LEU:HD23	1:114:B:ILE:HG21	13	0.98
(3,1859)	1:8:B:THR:HG23	1:9:B:TRP:HE1	4	0.98
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	9	0.98
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB1	20	0.98
(3,1764)	1:17:B:LEU:HD12	1:57:B:MET:HE1	15	0.98
(3,1670)	1:32:B:VAL:HG23	1:22:B:LEU:H	14	0.98
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG22	8	0.98
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	15	0.98
(3,1454)	1:51:B:ILE:HD11	1:49:B:GLN:H	19	0.98
(3,1188)	1:73:B:ILE:HG23	1:109:B:ARG:HD3	1	0.98
(3,1185)	1:73:B:ILE:HD12	1:109:B:ARG:HD3	20	0.98
(3,1174)	1:74:B:VAL:HG11	1:75:B:LEU:HG	12	0.98
(3,1108)	1:82:B:LEU:HD11	1:82:B:LEU:H	14	0.98
(3,1074)	1:84:B:LEU:HD12	1:118:B:LEU:HD11	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1052)	1:130:B:LEU:HG	1:119:B:LEU:HD11	15	0.98
(3,1040)	1:127:B:ARG:HD3	1:131:B:TYR:HD2	16	0.98
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD12	1	0.98
(3,936)	1:32:B:VAL:HG23	1:35:B:ALA:HA	17	0.98
(3,903)	1:98:B:LEU:HD22	1:130:B:LEU:HA	5	0.98
(3,550)	1:124:B:VAL:HG11	1:118:B:LEU:HB3	4	0.98
(3,451)	1:86:B:ARG:HD3	1:82:B:LEU:HD13	1	0.98
(3,447)	1:134:B:ARG:HB2	1:135:B:GLN:HG3	14	0.98
(3,401)	1:132:B:LYS:HE3	1:132:B:LYS:HB3	19	0.98
(3,352)	1:33:B:VAL:HG11	1:34:B:GLU:H	20	0.98
(3,257)	1:116:B:ASP:H	1:118:B:LEU:HB3	8	0.98
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	11	0.98
(3,97)	1:108:B:LYS:H	1:108:B:LYS:HG2	16	0.98
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	5	0.98
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	5	0.98
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	5	0.98
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	1	0.98
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	1	0.98
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	1	0.98
(1,2335)	1:40:B:LEU:HD11	1:13:B:GLU:HG3	19	0.98
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	8	0.98
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	19	0.98
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	4	0.98
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	8	0.98
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	8	0.98
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	8	0.98
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	4	0.98
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	10	0.98
(1,1632)	1:45:B:ARG:HB2	1:48:B:LYS:HE2	3	0.98
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	3	0.98
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	3	0.98
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	3	0.98
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	4	0.98
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	4	0.98
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	4	0.98
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	4	0.98
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	4	0.98
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	4	0.98
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	4	0.98
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	4	0.98
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	4	0.98
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	19	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	19	0.98
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	19	0.98
(1,1271)	1:114:B:ILE:HG12	1:76:B:TRP:HH2	9	0.98
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	7	0.98
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	7	0.98
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	7	0.98
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	4	0.98
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	4	0.98
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	4	0.98
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	9	0.98
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	9	0.98
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	9	0.98
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	19	0.98
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	12	0.98
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	12	0.98
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	12	0.98
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	12	0.98
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	12	0.98
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	12	0.98
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	12	0.98
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	12	0.98
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	12	0.98
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	16	0.98
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	16	0.98
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	16	0.98
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	16	0.98
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	18	0.98
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	19	0.98
(3,1821)	1:129:B:GLU:HG2	1:127:B:ARG:HD2	14	0.97
(3,1800)	1:15:B:ALA:HB2	1:22:B:LEU:HD12	2	0.97
(3,1796)	1:16:B:HIS:HD2	1:23:B:ALA:HB3	3	0.97
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	18	0.97
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HB3	20	0.97
(3,1580)	1:40:B:LEU:HD11	1:16:B:HIS:HD2	14	0.97
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	7	0.97
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	9	0.97
(3,1561)	1:131:B:TYR:HB2	1:133:B:LYS:HG3	4	0.97
(3,1560)	1:41:B:ASN:HB3	1:40:B:LEU:HB3	9	0.97
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	19	0.97
(3,1471)	1:50:B:ILE:HD12	1:42:B:THR:HG22	18	0.97
(3,1437)	1:51:B:ILE:HG22	1:62:B:SER:HB3	19	0.97
(3,1391)	1:54:B:LEU:HD11	1:33:B:VAL:H	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1321)	1:37:B:LEU:HD23	1:34:B:GLU:H	14	0.97
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD23	13	0.97
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD22	20	0.97
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG13	9	0.97
(3,1243)	1:70:B:GLY:HA3	1:63:B:VAL:HB	13	0.97
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	10	0.97
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	20	0.97
(3,1192)	1:73:B:ILE:HG22	1:73:B:ILE:HG12	4	0.97
(3,1188)	1:73:B:ILE:HG21	1:109:B:ARG:HD3	19	0.97
(3,1186)	1:73:B:ILE:HD13	1:74:B:VAL:HB	15	0.97
(3,1137)	1:76:B:TRP:HB2	1:74:B:VAL:HB	4	0.97
(3,1040)	1:127:B:ARG:HD2	1:131:B:TYR:HD2	14	0.97
(3,910)	1:98:B:LEU:HD11	1:96:B:ASP:HB3	10	0.97
(3,910)	1:98:B:LEU:HD13	1:96:B:ASP:HB3	20	0.97
(3,897)	1:98:B:LEU:HD23	1:101:B:ILE:HB	18	0.97
(3,893)	1:98:B:LEU:HD23	1:118:B:LEU:HD12	15	0.97
(3,852)	1:114:B:ILE:HG21	1:88:B:PHE:H	18	0.97
(3,841)	1:102:B:MET:HE3	1:109:B:ARG:HB3	8	0.97
(3,725)	1:18:B:ARG:HB2	1:59:B:LEU:HD11	4	0.97
(3,711)	1:87:B:LEU:HD13	1:91:B:PHE:H	4	0.97
(3,596)	1:20:B:LEU:HD21	1:40:B:LEU:HG	13	0.97
(3,541)	1:124:B:VAL:HG23	1:115:B:VAL:HB	15	0.97
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	2	0.97
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	18	0.97
(3,493)	1:130:B:LEU:HD12	1:128:B:ARG:HA	13	0.97
(3,363)	1:40:B:LEU:HD21	1:39:B:HIS:H	10	0.97
(3,363)	1:40:B:LEU:HD21	1:39:B:HIS:H	15	0.97
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	11	0.97
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE1	6	0.97
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	16	0.97
(3,119)	1:56:B:GLN:H	1:56:B:GLN:HG3	19	0.97
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG21	15	0.97
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	14	0.97
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	14	0.97
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	14	0.97
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	15	0.97
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE1	8	0.97
(1,2460)	1:29:B:GLY:HA3	1:30:B:GLN:HG3	20	0.97
(1,2410)	1:34:B:GLU:HG3	1:34:B:GLU:H	14	0.97
(1,2055)	1:56:B:GLN:HG3	1:56:B:GLN:H	19	0.97
(1,2025)	1:57:B:MET:HE1	1:59:B:LEU:HB2	2	0.97
(1,2025)	1:57:B:MET:HE2	1:59:B:LEU:HB2	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2025)	1:57:B:MET:HE3	1:59:B:LEU:HB2	2	0.97
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	7	0.97
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HB3	3	0.97
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	12	0.97
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	12	0.97
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	12	0.97
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	12	0.97
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	12	0.97
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	12	0.97
(1,1632)	1:45:B:ARG:HB2	1:48:B:LYS:HE2	18	0.97
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	20	0.97
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	20	0.97
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	20	0.97
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	20	0.97
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	20	0.97
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	20	0.97
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	20	0.97
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	20	0.97
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	20	0.97
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	7	0.97
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	7	0.97
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	7	0.97
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	7	0.97
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	7	0.97
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	7	0.97
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	7	0.97
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	7	0.97
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	7	0.97
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	11	0.97
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	11	0.97
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	11	0.97
(1,1165)	1:119:B:LEU:HD11	1:127:B:ARG:HD3	8	0.97
(1,1165)	1:119:B:LEU:HD12	1:127:B:ARG:HD3	8	0.97
(1,1165)	1:119:B:LEU:HD13	1:127:B:ARG:HD3	8	0.97
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	12	0.97
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	3	0.97
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	3	0.97
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	3	0.97
(3,1878)	1:118:B:LEU:HD21	1:114:B:ILE:HG21	7	0.96
(3,1878)	1:118:B:LEU:HD23	1:114:B:ILE:HG21	19	0.96
(3,1864)	1:6:B:ALA:HB2	1:45:B:ARG:HD3	2	0.96
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1800)	1:15:B:ALA:HB3	1:22:B:LEU:HD13	18	0.96
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD22	4	0.96
(3,1764)	1:17:B:LEU:HD11	1:57:B:MET:HE2	1	0.96
(3,1733)	1:21:B:TYR:HE1	1:54:B:LEU:HG	3	0.96
(3,1733)	1:21:B:TYR:HE1	1:54:B:LEU:HG	13	0.96
(3,1671)	1:32:B:VAL:HG11	1:66:B:PHE:H	5	0.96
(3,1571)	1:22:B:LEU:HD12	1:54:B:LEU:HD22	3	0.96
(3,1425)	1:52:B:HIS:HB2	1:63:B:VAL:HG23	12	0.96
(3,1321)	1:37:B:LEU:HD21	1:34:B:GLU:H	7	0.96
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD23	15	0.96
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD21	17	0.96
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD21	19	0.96
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	17	0.96
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD13	19	0.96
(3,1224)	1:71:B:THR:HA	1:74:B:VAL:HG13	3	0.96
(3,1207)	1:73:B:ILE:HG23	1:109:B:ARG:HD2	9	0.96
(3,1190)	1:73:B:ILE:HG22	1:74:B:VAL:HB	17	0.96
(3,1186)	1:73:B:ILE:HD11	1:74:B:VAL:HB	14	0.96
(3,1185)	1:73:B:ILE:HD12	1:109:B:ARG:HD3	4	0.96
(3,1027)	1:88:B:PHE:HA	1:84:B:LEU:HD22	10	0.96
(3,1027)	1:88:B:PHE:HA	1:84:B:LEU:HD21	15	0.96
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD11	4	0.96
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG11	19	0.96
(3,916)	1:37:B:LEU:HD11	1:50:B:ILE:H	16	0.96
(3,897)	1:98:B:LEU:HD21	1:101:B:ILE:HB	16	0.96
(3,862)	1:101:B:ILE:HD12	1:98:B:LEU:HB3	17	0.96
(3,852)	1:114:B:ILE:HG23	1:88:B:PHE:H	13	0.96
(3,838)	1:102:B:MET:HE2	1:99:B:GLY:HA3	13	0.96
(3,809)	1:107:B:ALA:HB2	1:80:B:GLN:HB3	15	0.96
(3,711)	1:87:B:LEU:HD12	1:91:B:PHE:H	10	0.96
(3,685)	1:84:B:LEU:HD13	1:117:B:LYS:HB2	7	0.96
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	14	0.96
(3,646)	1:17:B:LEU:HG	1:42:B:THR:HG23	11	0.96
(3,361)	1:82:B:LEU:HD13	1:83:B:GLU:H	14	0.96
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD21	1	0.96
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	20	0.96
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD12	1	0.96
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	5	0.96
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	5	0.96
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	5	0.96
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	6	0.96
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	5	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	12	0.96
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG21	14	0.96
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG22	14	0.96
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG23	14	0.96
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG11	20	0.96
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG12	20	0.96
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG13	20	0.96
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	13	0.96
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	13	0.96
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	13	0.96
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	13	0.96
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	13	0.96
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	13	0.96
(1,1633)	1:90:B:GLU:HG3	1:86:B:ARG:HA	18	0.96
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	6	0.96
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	6	0.96
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	6	0.96
(1,1388)	1:106:B:THR:HG21	1:80:B:GLN:HG2	19	0.96
(1,1388)	1:106:B:THR:HG22	1:80:B:GLN:HG2	19	0.96
(1,1388)	1:106:B:THR:HG23	1:80:B:GLN:HG2	19	0.96
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	8	0.96
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	8	0.96
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	8	0.96
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	2	0.96
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	2	0.96
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	2	0.96
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	10	0.96
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	10	0.96
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	10	0.96
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	1	0.96
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	1	0.96
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	1	0.96
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	7	0.96
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	7	0.96
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	7	0.96
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	12	0.96
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	12	0.96
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	12	0.96
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	3	0.96
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	3	0.96
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	3	0.96
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	3	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	3	0.96
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	3	0.96
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	3	0.96
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	3	0.96
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	3	0.96
(1,980)	1:33:B:VAL:HG11	1:51:B:ILE:HG13	8	0.96
(1,980)	1:33:B:VAL:HG12	1:51:B:ILE:HG13	8	0.96
(1,980)	1:33:B:VAL:HG13	1:51:B:ILE:HG13	8	0.96
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	8	0.96
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	8	0.96
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	8	0.96
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	9	0.96
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	9	0.96
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	9	0.96
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE1	5	0.96
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE2	5	0.96
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE1	5	0.96
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE2	5	0.96
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE1	5	0.96
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE2	5	0.96
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	13	0.96
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	2	0.96
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	2	0.96
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	2	0.96
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	7	0.96
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	7	0.96
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	7	0.96
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG21	19	0.95
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD13	7	0.95
(3,1683)	1:135:B:GLN:HB2	1:136:B:LYS:HG3	17	0.95
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD21	17	0.95
(3,1670)	1:32:B:VAL:HG23	1:22:B:LEU:H	19	0.95
(3,1665)	1:32:B:VAL:HG11	1:37:B:LEU:HG	9	0.95
(3,1664)	1:32:B:VAL:HG11	1:37:B:LEU:HG	9	0.95
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	3	0.95
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG3	4	0.95
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	15	0.95
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG12	16	0.95
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD11	7	0.95
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	9	0.95
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	15	0.95
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	11	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1132)	1:72:B:HIS:HB2	1:73:B:ILE:HG12	6	0.95
(3,1132)	1:72:B:HIS:HB2	1:73:B:ILE:HG12	13	0.95
(3,1110)	1:82:B:LEU:HD12	1:87:B:LEU:H	3	0.95
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	14	0.95
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD11	20	0.95
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG11	2	0.95
(3,953)	1:93:B:ASP:HB2	1:97:B:VAL:HG21	15	0.95
(3,917)	1:37:B:LEU:HD11	1:36:B:ILE:H	19	0.95
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB2	6	0.95
(3,814)	1:107:B:ALA:HB2	1:84:B:LEU:HA	5	0.95
(3,809)	1:107:B:ALA:HB3	1:80:B:GLN:HB3	20	0.95
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG11	8	0.95
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD22	15	0.95
(3,747)	1:114:B:ILE:HD11	1:117:B:LYS:HB3	9	0.95
(3,711)	1:87:B:LEU:HD11	1:91:B:PHE:H	1	0.95
(3,675)	1:97:B:VAL:HB	1:98:B:LEU:HB2	8	0.95
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB3	1	0.95
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	11	0.95
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	14	0.95
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG11	15	0.95
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	8	0.95
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	1	0.95
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	1	0.95
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	1	0.95
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	5	0.95
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	5	0.95
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	5	0.95
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	16	0.95
(1,2229)	1:45:B:ARG:HD2	1:43:B:VAL:HB	1	0.95
(1,2197)	1:49:B:GLN:HG2	1:45:B:ARG:HG3	16	0.95
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	12	0.95
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	12	0.95
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	12	0.95
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	10	0.95
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	10	0.95
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	10	0.95
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	19	0.95
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	19	0.95
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	19	0.95
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	18	0.95
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	18	0.95
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	18	0.95
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	18	0.95
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	18	0.95
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	19	0.95
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	19	0.95
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	19	0.95
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	19	0.95
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	19	0.95
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	19	0.95
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	19	0.95
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	19	0.95
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	19	0.95
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	5	0.95
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	5	0.95
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	5	0.95
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	6	0.95
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	6	0.95
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	6	0.95
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	5	0.95
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	5	0.95
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	5	0.95
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	5	0.95
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	5	0.95
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	5	0.95
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	5	0.95
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	5	0.95
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	5	0.95
(1,1138)	1:121:B:LEU:HD12	1:85:B:GLN:HB2	19	0.95
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	20	0.95
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	20	0.95
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	20	0.95
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	20	0.95
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	20	0.95
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	20	0.95
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	20	0.95
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	20	0.95
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	20	0.95
(1,880)	1:75:B:LEU:HD22	1:76:B:TRP:HD1	2	0.95
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	15	0.95
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	11	0.95
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	11	0.95
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	11	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	15	0.95
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	15	0.95
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	15	0.95
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	20	0.95
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	20	0.95
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	20	0.95
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE2	10	0.94
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE2	19	0.94
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	5	0.94
(3,1790)	1:16:B:HIS:HB3	1:40:B:LEU:HB2	20	0.94
(3,1764)	1:17:B:LEU:HD13	1:57:B:MET:HE3	16	0.94
(3,1764)	1:17:B:LEU:HD12	1:57:B:MET:HE2	20	0.94
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	17	0.94
(3,1437)	1:51:B:ILE:HG22	1:62:B:SER:HB3	11	0.94
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD11	18	0.94
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG11	14	0.94
(3,1240)	1:70:B:GLY:HA3	1:64:B:LYS:HD3	13	0.94
(3,1234)	1:46:B:THR:HG21	1:47:B:ARG:HD3	15	0.94
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG23	8	0.94
(3,1186)	1:73:B:ILE:HD13	1:74:B:VAL:HB	8	0.94
(3,1184)	1:74:B:VAL:HG22	1:107:B:ALA:HB1	7	0.94
(3,1141)	1:76:B:TRP:HD1	1:77:B:THR:HG22	6	0.94
(3,1108)	1:82:B:LEU:HD11	1:82:B:LEU:H	18	0.94
(3,1074)	1:84:B:LEU:HD11	1:118:B:LEU:HD13	8	0.94
(3,1065)	1:85:B:GLN:HG3	1:89:B:GLU:HB2	4	0.94
(3,978)	1:66:B:PHE:HE1	1:54:B:LEU:HB2	3	0.94
(3,894)	1:37:B:LEU:HD13	1:31:B:ASP:HB3	8	0.94
(3,842)	1:102:B:MET:HE3	1:114:B:ILE:HD11	16	0.94
(3,839)	1:102:B:MET:HE3	1:103:B:LYS:HE2	12	0.94
(3,815)	1:106:B:THR:HG22	1:84:B:LEU:H	7	0.94
(3,811)	1:107:B:ALA:HB2	1:109:B:ARG:HB2	9	0.94
(3,793)	1:109:B:ARG:HD3	1:105:B:ILE:HD12	3	0.94
(3,709)	1:115:B:VAL:HG12	1:119:B:LEU:H	18	0.94
(3,620)	1:119:B:LEU:HD13	1:124:B:VAL:HB	5	0.94
(3,619)	1:119:B:LEU:HD11	1:126:B:GLU:HB2	16	0.94
(3,553)	1:124:B:VAL:HG13	1:128:B:ARG:H	9	0.94
(3,541)	1:124:B:VAL:HG21	1:115:B:VAL:HB	16	0.94
(3,385)	1:82:B:LEU:HD21	1:85:B:GLN:HB3	11	0.94
(3,352)	1:33:B:VAL:HG13	1:34:B:GLU:H	14	0.94
(3,349)	1:33:B:VAL:HG12	1:37:B:LEU:H	8	0.94
(3,206)	1:91:B:PHE:H	1:90:B:GLU:HG2	8	0.94
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD11	17	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD11	19	0.94
(3,148)	1:67:B:GLN:H	1:51:B:ILE:HB	15	0.94
(3,97)	1:108:B:LYS:H	1:108:B:LYS:HG2	13	0.94
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	8	0.94
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	8	0.94
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	8	0.94
(1,2619)	1:11:B:PRO:HA	1:14:B:GLU:HB2	12	0.94
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	16	0.94
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG21	11	0.94
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG22	11	0.94
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG23	11	0.94
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG21	11	0.94
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG22	11	0.94
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG23	11	0.94
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG21	11	0.94
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG22	11	0.94
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG23	11	0.94
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG21	7	0.94
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG22	7	0.94
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG23	7	0.94
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	14	0.94
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	14	0.94
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	14	0.94
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	18	0.94
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	18	0.94
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	18	0.94
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	16	0.94
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	16	0.94
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	16	0.94
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	14	0.94
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	14	0.94
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	14	0.94
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	2	0.94
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	2	0.94
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	2	0.94
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	15	0.94
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	15	0.94
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	15	0.94
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	10	0.94
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	10	0.94
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	10	0.94
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	10	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	10	0.94
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	10	0.94
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	4	0.94
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	9	0.94
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	9	0.94
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	9	0.94
(1,1515)	1:97:B:VAL:HG12	1:123:B:LEU:HB3	8	0.94
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	3	0.94
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	14	0.94
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG21	10	0.94
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG22	10	0.94
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG23	10	0.94
(1,1300)	1:113:B:ARG:HD3	1:109:B:ARG:HD3	9	0.94
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	10	0.94
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	10	0.94
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	10	0.94
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	20	0.94
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	20	0.94
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	20	0.94
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	7	0.94
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	2	0.94
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	2	0.94
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	2	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	1	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	1	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	1	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	4	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	4	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	4	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	8	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	8	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	8	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	12	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	12	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	12	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	13	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	13	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	13	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	17	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	17	0.94
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	17	0.94
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	1	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	7	0.94
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	11	0.94
(3,1874)	1:118:B:LEU:HD12	1:84:B:LEU:HG	20	0.93
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG22	7	0.93
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	1	0.93
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	4	0.93
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	4	0.93
(3,1571)	1:22:B:LEU:HD11	1:54:B:LEU:HD21	19	0.93
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	7	0.93
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	4	0.93
(3,1550)	1:43:B:VAL:HG23	1:42:B:THR:HA	7	0.93
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	2	0.93
(3,1384)	1:54:B:LEU:HD22	1:60:B:ALA:HB2	3	0.93
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	2	0.93
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD22	3	0.93
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD23	4	0.93
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD21	14	0.93
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	13	0.93
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG13	13	0.93
(3,1243)	1:70:B:GLY:HA3	1:63:B:VAL:HB	20	0.93
(3,1207)	1:73:B:ILE:HG23	1:109:B:ARG:HD2	1	0.93
(3,1207)	1:73:B:ILE:HG22	1:109:B:ARG:HD2	3	0.93
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD21	13	0.93
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	11	0.93
(3,1027)	1:88:B:PHE:HA	1:123:B:LEU:HB3	20	0.93
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	3	0.93
(3,992)	1:19:B:GLU:HG2	1:40:B:LEU:HD13	11	0.93
(3,939)	1:97:B:VAL:HG22	1:92:B:ARG:H	5	0.93
(3,837)	1:102:B:MET:HE3	1:111:B:ARG:HA	16	0.93
(3,825)	1:105:B:ILE:HG21	1:108:B:LYS:HB3	18	0.93
(3,689)	1:33:B:VAL:HG23	1:54:B:LEU:HD11	9	0.93
(3,630)	1:37:B:LEU:HD21	1:47:B:ARG:HA	20	0.93
(3,550)	1:124:B:VAL:HG12	1:118:B:LEU:HB3	8	0.93
(3,439)	1:14:B:GLU:HB3	1:17:B:LEU:HG	18	0.93
(3,385)	1:130:B:LEU:HD21	1:115:B:VAL:HB	10	0.93
(3,381)	1:37:B:LEU:HG	1:50:B:ILE:HB	7	0.93
(3,68)	1:35:B:ALA:H	1:33:B:VAL:HG12	19	0.93
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	8	0.93
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	8	0.93
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	8	0.93
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	19	0.93
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	19	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	17	0.93
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	8	0.93
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	8	0.93
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	8	0.93
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	13	0.93
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	13	0.93
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	13	0.93
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	8	0.93
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	8	0.93
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	8	0.93
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	12	0.93
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	12	0.93
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	12	0.93
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	16	0.93
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	10	0.93
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	10	0.93
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	10	0.93
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	13	0.93
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	13	0.93
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	13	0.93
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	1	0.93
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG21	15	0.93
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG22	15	0.93
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG23	15	0.93
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	8	0.93
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	8	0.93
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	8	0.93
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	19	0.93
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	19	0.93
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	19	0.93
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	5	0.93
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB1	4	0.93
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB2	4	0.93
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB3	4	0.93
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	18	0.93
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	18	0.93
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	18	0.93
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	19	0.93
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	19	0.93
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	19	0.93
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	12	0.93
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	12	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	12	0.93
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	12	0.93
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	12	0.93
(1,1688)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	12	0.93
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	12	0.93
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	12	0.93
(1,1688)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	12	0.93
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	4	0.93
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	4	0.93
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	4	0.93
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	20	0.93
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	1	0.93
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	1	0.93
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	1	0.93
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	2	0.93
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	2	0.93
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	2	0.93
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	12	0.93
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	12	0.93
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	12	0.93
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	12	0.93
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	12	0.93
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	12	0.93
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	12	0.93
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	12	0.93
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	12	0.93
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	15	0.93
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	15	0.93
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	15	0.93
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	15	0.93
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	15	0.93
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	15	0.93
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	15	0.93
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	15	0.93
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	15	0.93
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	1	0.93
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	1	0.93
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	1	0.93
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	8	0.93
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	8	0.93
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	8	0.93
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	16	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	16	0.93
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	16	0.93
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	16	0.93
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	16	0.93
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	16	0.93
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	16	0.93
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	16	0.93
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	16	0.93
(1,1070)	1:124:B:VAL:HG22	1:130:B:LEU:HB3	5	0.93
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	18	0.93
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	18	0.93
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	18	0.93
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	18	0.93
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	18	0.93
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	18	0.93
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	18	0.93
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	18	0.93
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	18	0.93
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	12	0.93
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	12	0.93
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	12	0.93
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	12	0.93
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	12	0.93
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	12	0.93
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	14	0.93
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	14	0.93
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	14	0.93
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	18	0.93
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	18	0.93
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	18	0.93
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	7	0.92
(3,1770)	1:17:B:LEU:HD23	1:13:B:GLU:HG3	17	0.92
(3,1671)	1:32:B:VAL:HG11	1:66:B:PHE:H	6	0.92
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	11	0.92
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	11	0.92
(3,1570)	1:40:B:LEU:HB3	1:37:B:LEU:HA	14	0.92
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	2	0.92
(3,1471)	1:50:B:ILE:HD13	1:46:B:THR:HG21	12	0.92
(3,1437)	1:51:B:ILE:HG21	1:62:B:SER:HB3	5	0.92
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	10	0.92
(3,1384)	1:54:B:LEU:HD23	1:60:B:ALA:HB1	15	0.92
(3,1361)	1:55:B:VAL:HG12	1:52:B:HIS:HB2	16	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	11	0.92
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	16	0.92
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	11	0.92
(3,1298)	1:8:B:THR:HG22	1:7:B:PRO:HB3	19	0.92
(3,1276)	1:63:B:VAL:HG22	1:66:B:PHE:HZ	19	0.92
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG21	13	0.92
(3,1185)	1:73:B:ILE:HD13	1:109:B:ARG:HD3	1	0.92
(3,910)	1:98:B:LEU:HD12	1:102:B:MET:HG3	1	0.92
(3,734)	1:114:B:ILE:HG22	1:102:B:MET:HE2	5	0.92
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG21	13	0.92
(3,609)	1:112:B:ALA:HB2	1:113:B:ARG:HB2	11	0.92
(3,602)	1:121:B:LEU:HD13	1:85:B:GLN:HG2	1	0.92
(3,585)	1:121:B:LEU:HD13	1:81:B:GLU:H	9	0.92
(3,493)	1:130:B:LEU:HD13	1:128:B:ARG:HA	20	0.92
(3,428)	1:4:B:ARG:HA	1:4:B:ARG:HG2	4	0.92
(3,195)	1:86:B:ARG:H	1:90:B:GLU:HG2	2	0.92
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD22	18	0.92
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	4	0.92
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	5	0.92
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD13	16	0.92
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG13	19	0.92
(3,39)	1:19:B:GLU:H	1:59:B:LEU:HD21	1	0.92
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG3	8	0.92
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	14	0.92
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	14	0.92
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	14	0.92
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	11	0.92
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	20	0.92
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	20	0.92
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	20	0.92
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	16	0.92
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	16	0.92
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	16	0.92
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	5	0.92
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	16	0.92
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	16	0.92
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	16	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	6	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	6	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	6	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	7	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	7	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	13	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	13	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	13	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	15	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	15	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	15	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	16	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	16	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	16	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	20	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	20	0.92
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	20	0.92
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	4	0.92
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	4	0.92
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	4	0.92
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	7	0.92
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	7	0.92
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	7	0.92
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	2	0.92
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	2	0.92
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	2	0.92
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	9	0.92
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG11	1	0.92
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG12	1	0.92
(1,1874)	1:70:B:GLY:HA2	1:63:B:VAL:HG13	1	0.92
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	7	0.92
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	7	0.92
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	7	0.92
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	18	0.92
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	18	0.92
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	18	0.92
(1,1808)	1:74:B:VAL:HG12	1:75:B:LEU:HG	11	0.92
(1,1695)	1:127:B:ARG:HD2	1:116:B:ASP:H	4	0.92
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	1	0.92
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	1	0.92
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	1	0.92
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	1	0.92
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	1	0.92
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	1	0.92
(1,1549)	1:65:B:ASP:HB3	1:64:B:LYS:HB2	4	0.92
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	9	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	9	0.92
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	9	0.92
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	10	0.92
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	10	0.92
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	10	0.92
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	16	0.92
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	16	0.92
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	16	0.92
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	6	0.92
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	6	0.92
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	6	0.92
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD11	12	0.92
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD12	12	0.92
(1,1206)	1:116:B:ASP:HA	1:119:B:LEU:HD13	12	0.92
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	14	0.92
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	14	0.92
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	14	0.92
(1,1176)	1:119:B:LEU:HD11	1:119:B:LEU:H	19	0.92
(1,1176)	1:119:B:LEU:HD12	1:119:B:LEU:H	19	0.92
(1,1176)	1:119:B:LEU:HD13	1:119:B:LEU:H	19	0.92
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	3	0.92
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	3	0.92
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	3	0.92
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	13	0.92
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	13	0.92
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	13	0.92
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	17	0.92
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	17	0.92
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	17	0.92
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	2	0.92
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	2	0.92
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	2	0.92
(1,883)	1:40:B:LEU:HD11	1:43:B:VAL:H	20	0.92
(1,883)	1:40:B:LEU:HD12	1:43:B:VAL:H	20	0.92
(1,883)	1:40:B:LEU:HD13	1:43:B:VAL:H	20	0.92
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	2	0.92
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD11	11	0.92
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD12	11	0.92
(1,539)	1:85:B:GLN:HE21	1:121:B:LEU:HD13	11	0.92
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	5	0.92
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	5	0.92
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	19	0.92
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	19	0.92
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	19	0.92
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG21	6	0.92
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG22	6	0.92
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG23	6	0.92
(3,1868)	1:118:B:LEU:HD12	1:88:B:PHE:H	4	0.91
(3,1770)	1:17:B:LEU:HD21	1:13:B:GLU:HG3	15	0.91
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	20	0.91
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	20	0.91
(3,1645)	1:34:B:GLU:HG2	1:37:B:LEU:HD13	5	0.91
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD11	6	0.91
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD12	9	0.91
(3,1572)	1:40:B:LEU:HD12	1:20:B:LEU:HD23	15	0.91
(3,1550)	1:43:B:VAL:HG22	1:49:B:GLN:HA	11	0.91
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	16	0.91
(3,1485)	1:50:B:ILE:HG23	1:49:B:GLN:H	8	0.91
(3,1437)	1:51:B:ILE:HG23	1:62:B:SER:HB3	4	0.91
(3,1437)	1:51:B:ILE:HG23	1:62:B:SER:HB3	18	0.91
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	19	0.91
(3,1361)	1:55:B:VAL:HG13	1:52:B:HIS:HB2	5	0.91
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD13	16	0.91
(3,1303)	1:15:B:ALA:HA	1:54:B:LEU:HD23	7	0.91
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG13	20	0.91
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	19	0.91
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG11	9	0.91
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG11	9	0.91
(3,1188)	1:73:B:ILE:HG21	1:109:B:ARG:HD3	18	0.91
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD22	18	0.91
(3,1110)	1:82:B:LEU:HD11	1:87:B:LEU:H	17	0.91
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD11	3	0.91
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG11	13	0.91
(3,893)	1:98:B:LEU:HD23	1:118:B:LEU:HD13	16	0.91
(3,852)	1:114:B:ILE:HG23	1:88:B:PHE:H	19	0.91
(3,747)	1:114:B:ILE:HD13	1:105:B:ILE:HG12	4	0.91
(3,685)	1:84:B:LEU:HD12	1:117:B:LYS:HB2	15	0.91
(3,479)	1:131:B:TYR:HB3	1:132:B:LYS:HB2	15	0.91
(3,447)	1:134:B:ARG:HB2	1:135:B:GLN:HG3	5	0.91
(3,447)	1:134:B:ARG:HB2	1:135:B:GLN:HG2	18	0.91
(3,401)	1:133:B:LYS:HE3	1:133:B:LYS:HB3	11	0.91
(3,395)	1:48:B:LYS:HE2	1:52:B:HIS:HE1	7	0.91
(3,318)	1:135:B:GLN:HE21	1:129:B:GLU:HB3	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	7	0.91
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	7	0.91
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	7	0.91
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	3	0.91
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	17	0.91
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	10	0.91
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	10	0.91
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	10	0.91
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE1	1	0.91
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE2	1	0.91
(1,2282)	1:43:B:VAL:HG13	1:49:B:GLN:HB3	17	0.91
(1,2229)	1:45:B:ARG:HD2	1:43:B:VAL:HB	7	0.91
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	3	0.91
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	3	0.91
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	3	0.91
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	17	0.91
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	17	0.91
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	17	0.91
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	19	0.91
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	19	0.91
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	19	0.91
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	20	0.91
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	20	0.91
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	20	0.91
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	20	0.91
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	20	0.91
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	20	0.91
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	20	0.91
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	20	0.91
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	20	0.91
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	19	0.91
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	19	0.91
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	19	0.91
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	3	0.91
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	3	0.91
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	3	0.91
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	3	0.91
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	3	0.91
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	3	0.91
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	3	0.91
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	3	0.91
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	3	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	4	0.91
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	4	0.91
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	4	0.91
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	9	0.91
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	9	0.91
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	9	0.91
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD21	3	0.91
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD22	3	0.91
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD23	3	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	3	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	3	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	3	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	7	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	7	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	7	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	11	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	11	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	11	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	12	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	12	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	12	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	15	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	15	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	15	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	19	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	19	0.91
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	19	0.91
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	13	0.91
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	13	0.91
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	13	0.91
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	13	0.91
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	13	0.91
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	13	0.91
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	13	0.91
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	13	0.91
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	13	0.91
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	7	0.91
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	7	0.91
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	7	0.91
(1,999)	1:67:B:GLN:HB2	1:67:B:GLN:H	1	0.91
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	20	0.91
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	20	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	20	0.91
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	7	0.91
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	7	0.91
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	7	0.91
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	19	0.91
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG21	4	0.91
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG22	4	0.91
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG23	4	0.91
(3,1862)	1:6:B:ALA:HA	1:5:B:ARG:HB3	1	0.9
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	16	0.9
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	9	0.9
(3,1665)	1:32:B:VAL:HG11	1:37:B:LEU:HG	12	0.9
(3,1664)	1:32:B:VAL:HG11	1:37:B:LEU:HG	12	0.9
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG23	5	0.9
(3,1571)	1:22:B:LEU:HD13	1:54:B:LEU:HD22	11	0.9
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	4	0.9
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	6	0.9
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	19	0.9
(3,1484)	1:50:B:ILE:HG23	1:55:B:VAL:H	8	0.9
(3,1472)	1:50:B:ILE:HD11	1:51:B:ILE:HA	15	0.9
(3,1472)	1:50:B:ILE:HD11	1:51:B:ILE:HA	16	0.9
(3,1466)	1:50:B:ILE:HD12	1:13:B:GLU:HG2	10	0.9
(3,1454)	1:51:B:ILE:HD12	1:49:B:GLN:H	6	0.9
(3,1437)	1:51:B:ILE:HG23	1:62:B:SER:HB3	6	0.9
(3,1361)	1:55:B:VAL:HG12	1:52:B:HIS:HB2	3	0.9
(3,1361)	1:55:B:VAL:HG12	1:52:B:HIS:HB2	12	0.9
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	1	0.9
(3,1315)	1:59:B:LEU:HD11	1:18:B:ARG:HB3	8	0.9
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD21	6	0.9
(3,1180)	1:74:B:VAL:HG22	1:76:B:TRP:HZ3	1	0.9
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	13	0.9
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD12	8	0.9
(3,939)	1:97:B:VAL:HG22	1:92:B:ARG:H	13	0.9
(3,936)	1:32:B:VAL:HG23	1:35:B:ALA:HA	19	0.9
(3,935)	1:97:B:VAL:HG22	1:98:B:LEU:HB3	1	0.9
(3,917)	1:37:B:LEU:HD13	1:36:B:ILE:H	13	0.9
(3,852)	1:114:B:ILE:HG21	1:88:B:PHE:H	4	0.9
(3,719)	1:27:B:VAL:HG13	1:30:B:GLN:HE22	6	0.9
(3,485)	1:131:B:TYR:HE1	1:130:B:LEU:HB2	14	0.9
(3,479)	1:131:B:TYR:HB3	1:132:B:LYS:HB2	18	0.9
(3,401)	1:133:B:LYS:HE2	1:133:B:LYS:HB2	13	0.9
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE3	3	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,97)	1:108:B:LYS:H	1:108:B:LYS:HG2	11	0.9
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	13	0.9
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	20	0.9
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	2	0.9
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	2	0.9
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	2	0.9
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE1	15	0.9
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	19	0.9
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	19	0.9
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	19	0.9
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	5	0.9
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	3	0.9
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	3	0.9
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	3	0.9
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HB3	14	0.9
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG21	14	0.9
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG22	14	0.9
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG23	14	0.9
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	4	0.9
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	4	0.9
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	4	0.9
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	2	0.9
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	2	0.9
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	2	0.9
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	20	0.9
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	20	0.9
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	20	0.9
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	4	0.9
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	4	0.9
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	4	0.9
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	10	0.9
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	10	0.9
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	10	0.9
(1,1929)	1:63:B:VAL:HG21	1:64:B:LYS:HG3	17	0.9
(1,1929)	1:63:B:VAL:HG22	1:64:B:LYS:HG3	17	0.9
(1,1929)	1:63:B:VAL:HG23	1:64:B:LYS:HG3	17	0.9
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HB3	18	0.9
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	8	0.9
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	8	0.9
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	8	0.9
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	15	0.9
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	15	0.9
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	16	0.9
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	16	0.9
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	16	0.9
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	3	0.9
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	3	0.9
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	3	0.9
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	5	0.9
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	5	0.9
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	5	0.9
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	5	0.9
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	5	0.9
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	5	0.9
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	5	0.9
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	5	0.9
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	5	0.9
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	8	0.9
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	8	0.9
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	8	0.9
(1,1558)	1:92:B:ARG:HD2	1:89:B:GLU:HB2	6	0.9
(1,1526)	1:97:B:VAL:HG21	1:88:B:PHE:HA	8	0.9
(1,1526)	1:97:B:VAL:HG22	1:88:B:PHE:HA	8	0.9
(1,1526)	1:97:B:VAL:HG23	1:88:B:PHE:HA	8	0.9
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	5	0.9
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	5	0.9
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	5	0.9
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	8	0.9
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	8	0.9
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	8	0.9
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	10	0.9
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	10	0.9
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	10	0.9
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	3	0.9
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	3	0.9
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	3	0.9
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	3	0.9
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	3	0.9
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	3	0.9
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	1	0.9
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	1	0.9
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	1	0.9
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	13	0.9
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	13	0.9
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	11	0.9
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	11	0.9
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	15	0.9
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	15	0.9
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	15	0.9
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD2	8	0.9
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	18	0.9
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE2	12	0.89
(3,1874)	1:118:B:LEU:HD11	1:84:B:LEU:HG	19	0.89
(3,1770)	1:17:B:LEU:HD22	1:13:B:GLU:HG3	20	0.89
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	10	0.89
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	12	0.89
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	15	0.89
(3,1550)	1:43:B:VAL:HG22	1:42:B:THR:HA	1	0.89
(3,1519)	1:111:B:ARG:HG2	1:98:B:LEU:HD22	13	0.89
(3,1472)	1:50:B:ILE:HD11	1:51:B:ILE:HA	4	0.89
(3,1472)	1:50:B:ILE:HD13	1:51:B:ILE:HA	9	0.89
(3,1435)	1:51:B:ILE:HG22	1:48:B:LYS:HG2	14	0.89
(3,1203)	1:73:B:ILE:HD13	1:72:B:HIS:HD2	12	0.89
(3,1192)	1:73:B:ILE:HG21	1:73:B:ILE:HG12	18	0.89
(3,1188)	1:73:B:ILE:HG22	1:109:B:ARG:HD3	17	0.89
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD22	8	0.89
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD23	12	0.89
(3,1143)	1:76:B:TRP:HD1	1:117:B:LYS:HB3	20	0.89
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	20	0.89
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG23	13	0.89
(3,1100)	1:34:B:GLU:HG2	1:37:B:LEU:HB2	17	0.89
(3,1027)	1:88:B:PHE:HA	1:84:B:LEU:HD22	16	0.89
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD21	9	0.89
(3,912)	1:98:B:LEU:HD21	1:131:B:TYR:HD1	4	0.89
(3,897)	1:98:B:LEU:HD23	1:101:B:ILE:HB	3	0.89
(3,825)	1:105:B:ILE:HG21	1:108:B:LYS:HB3	12	0.89
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG11	18	0.89
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD12	15	0.89
(3,609)	1:112:B:ALA:HB2	1:113:B:ARG:HB2	19	0.89
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG2	4	0.89
(3,428)	1:4:B:ARG:HA	1:4:B:ARG:HG2	18	0.89
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	16	0.89
(3,358)	1:98:B:LEU:HD11	1:117:B:LYS:H	13	0.89
(3,97)	1:108:B:LYS:H	1:108:B:LYS:HG2	2	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD21	10	0.89
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD22	10	0.89
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD23	10	0.89
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	20	0.89
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	20	0.89
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	20	0.89
(1,2592)	1:15:B:ALA:HB1	1:57:B:MET:HE2	20	0.89
(1,2563)	1:17:B:LEU:HD11	1:21:B:TYR:H	10	0.89
(1,2563)	1:17:B:LEU:HD12	1:21:B:TYR:H	10	0.89
(1,2563)	1:17:B:LEU:HD13	1:21:B:TYR:H	10	0.89
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	13	0.89
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	13	0.89
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	13	0.89
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	9	0.89
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	9	0.89
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	9	0.89
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG21	7	0.89
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG22	7	0.89
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG23	7	0.89
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG21	7	0.89
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG22	7	0.89
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG23	7	0.89
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG21	7	0.89
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG22	7	0.89
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG23	7	0.89
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG21	12	0.89
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG22	12	0.89
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG23	12	0.89
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG21	12	0.89
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG22	12	0.89
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG23	12	0.89
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG21	12	0.89
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG22	12	0.89
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG23	12	0.89
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	20	0.89
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	20	0.89
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	20	0.89
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	19	0.89
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	19	0.89
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	19	0.89
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	8	0.89
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	8	0.89
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	10	0.89
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	10	0.89
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	10	0.89
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	5	0.89
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	5	0.89
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	5	0.89
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	10	0.89
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	10	0.89
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	10	0.89
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	12	0.89
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	12	0.89
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	12	0.89
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	13	0.89
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	13	0.89
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	13	0.89
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	8	0.89
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	8	0.89
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	8	0.89
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	4	0.89
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	4	0.89
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	4	0.89
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	17	0.89
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	17	0.89
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	17	0.89
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	18	0.89
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	18	0.89
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	18	0.89
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	3	0.89
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	3	0.89
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	3	0.89
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	17	0.89
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	17	0.89
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	17	0.89
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	17	0.89
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	17	0.89
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	17	0.89
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	17	0.89
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	17	0.89
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	17	0.89
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG21	3	0.89
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG22	3	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG23	3	0.89
(1,1250)	1:115:B:VAL:HG21	1:116:B:ASP:H	12	0.89
(1,1250)	1:115:B:VAL:HG22	1:116:B:ASP:H	12	0.89
(1,1250)	1:115:B:VAL:HG23	1:116:B:ASP:H	12	0.89
(1,1230)	1:115:B:VAL:HG21	1:116:B:ASP:HB2	12	0.89
(1,1230)	1:115:B:VAL:HG22	1:116:B:ASP:HB2	12	0.89
(1,1230)	1:115:B:VAL:HG23	1:116:B:ASP:HB2	12	0.89
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	7	0.89
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	7	0.89
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	7	0.89
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	8	0.89
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	8	0.89
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	8	0.89
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	18	0.89
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	18	0.89
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	18	0.89
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	18	0.89
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	18	0.89
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	18	0.89
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	18	0.89
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	18	0.89
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	18	0.89
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	18	0.89
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	18	0.89
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	18	0.89
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	10	0.89
(1,880)	1:75:B:LEU:HD22	1:76:B:TRP:HD1	5	0.89
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	15	0.89
(3,1902)	1:76:B:TRP:HZ3	1:84:B:LEU:HD12	5	0.88
(3,1873)	1:118:B:LEU:HD13	1:119:B:LEU:HA	11	0.88
(3,1868)	1:118:B:LEU:HD12	1:125:B:ALA:H	7	0.88
(3,1868)	1:118:B:LEU:HD12	1:88:B:PHE:H	13	0.88
(3,1712)	1:97:B:VAL:HG23	1:88:B:PHE:HA	8	0.88
(3,1610)	1:37:B:LEU:HD22	1:36:B:ILE:H	10	0.88
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	12	0.88
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	17	0.88
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	20	0.88
(3,1566)	1:40:B:LEU:HB3	1:45:B:ARG:HD3	14	0.88
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	15	0.88
(3,1472)	1:50:B:ILE:HD11	1:51:B:ILE:HA	10	0.88
(3,1472)	1:50:B:ILE:HD11	1:51:B:ILE:HA	18	0.88
(3,1361)	1:55:B:VAL:HG12	1:52:B:HIS:HB2	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	5	0.88
(3,1276)	1:63:B:VAL:HG23	1:66:B:PHE:HZ	5	0.88
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	1	0.88
(3,1233)	1:77:B:THR:HG22	1:78:B:GLY:HA3	16	0.88
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD3	1	0.88
(3,1190)	1:73:B:ILE:HG22	1:74:B:VAL:HB	3	0.88
(3,1188)	1:73:B:ILE:HG21	1:109:B:ARG:HD3	15	0.88
(3,1113)	1:40:B:LEU:HD22	1:17:B:LEU:HB3	18	0.88
(3,1110)	1:82:B:LEU:HD12	1:87:B:LEU:H	13	0.88
(3,988)	1:45:B:ARG:HB3	1:47:B:ARG:HD3	5	0.88
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	7	0.88
(3,916)	1:37:B:LEU:HD11	1:50:B:ILE:H	15	0.88
(3,895)	1:98:B:LEU:HD23	1:102:B:MET:HG3	4	0.88
(3,838)	1:102:B:MET:HE3	1:99:B:GLY:HA3	9	0.88
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD23	8	0.88
(3,734)	1:114:B:ILE:HG22	1:102:B:MET:HE1	1	0.88
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	10	0.88
(3,553)	1:124:B:VAL:HG12	1:128:B:ARG:H	12	0.88
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	13	0.88
(3,485)	1:131:B:TYR:HE2	1:130:B:LEU:HB2	5	0.88
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD21	15	0.88
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD12	4	0.88
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG2	3	0.88
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	11	0.88
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	11	0.88
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	11	0.88
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	18	0.88
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	18	0.88
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	18	0.88
(1,2276)	1:43:B:VAL:HG21	1:49:B:GLN:HB3	20	0.88
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG21	1	0.88
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG22	1	0.88
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG23	1	0.88
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG21	1	0.88
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG22	1	0.88
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG23	1	0.88
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG21	1	0.88
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG22	1	0.88
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG23	1	0.88
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	1	0.88
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	1	0.88
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	1	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	20	0.88
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	20	0.88
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	20	0.88
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	14	0.88
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	14	0.88
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	14	0.88
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	17	0.88
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	17	0.88
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	17	0.88
(1,2071)	1:55:B:VAL:HG11	1:66:B:PHE:HZ	3	0.88
(1,2071)	1:55:B:VAL:HG12	1:66:B:PHE:HZ	3	0.88
(1,2071)	1:55:B:VAL:HG13	1:66:B:PHE:HZ	3	0.88
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	8	0.88
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	8	0.88
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	8	0.88
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	20	0.88
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	20	0.88
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	20	0.88
(1,1804)	1:74:B:VAL:HG11	1:74:B:VAL:H	7	0.88
(1,1804)	1:74:B:VAL:HG12	1:74:B:VAL:H	7	0.88
(1,1804)	1:74:B:VAL:HG13	1:74:B:VAL:H	7	0.88
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	19	0.88
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	3	0.88
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	3	0.88
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	3	0.88
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	9	0.88
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	9	0.88
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	9	0.88
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	9	0.88
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	9	0.88
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	9	0.88
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	11	0.88
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	11	0.88
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	11	0.88
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	13	0.88
(1,1527)	1:97:B:VAL:HG21	1:91:B:PHE:HB2	5	0.88
(1,1527)	1:97:B:VAL:HG22	1:91:B:PHE:HB2	5	0.88
(1,1527)	1:97:B:VAL:HG23	1:91:B:PHE:HB2	5	0.88
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	13	0.88
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	13	0.88
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	13	0.88
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	11	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	11	0.88
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	11	0.88
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	8	0.88
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	8	0.88
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	8	0.88
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	8	0.88
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	8	0.88
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	8	0.88
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	8	0.88
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	8	0.88
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	8	0.88
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	16	0.88
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	16	0.88
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	16	0.88
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	7	0.88
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	7	0.88
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	7	0.88
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	7	0.88
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	7	0.88
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	7	0.88
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	7	0.88
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	7	0.88
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	7	0.88
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	10	0.88
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	10	0.88
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	10	0.88
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	10	0.88
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	10	0.88
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	10	0.88
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	10	0.88
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	10	0.88
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	10	0.88
(1,1035)	1:126:B:GLU:HG2	1:128:B:ARG:HD2	3	0.88
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG21	13	0.88
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG22	13	0.88
(1,956)	1:131:B:TYR:HE1	1:115:B:VAL:HG23	13	0.88
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG21	13	0.88
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG22	13	0.88
(1,956)	1:131:B:TYR:HE2	1:115:B:VAL:HG23	13	0.88
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	8	0.88
(3,1878)	1:118:B:LEU:HD23	1:114:B:ILE:HG23	6	0.87
(3,1873)	1:118:B:LEU:HD13	1:119:B:LEU:HA	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1862)	1:6:B:ALA:HA	1:5:B:ARG:HB3	7	0.87
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	3	0.87
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	13	0.87
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	3	0.87
(3,1437)	1:51:B:ILE:HG22	1:62:B:SER:HB3	20	0.87
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	14	0.87
(3,1411)	1:53:B:HIS:HA	1:9:B:TRP:HZ2	10	0.87
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	14	0.87
(3,1383)	1:54:B:LEU:HD23	1:59:B:LEU:HG	6	0.87
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD22	5	0.87
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD11	13	0.87
(3,1257)	1:88:B:PHE:HB2	1:114:B:ILE:HG12	11	0.87
(3,1233)	1:77:B:THR:HG23	1:80:B:GLN:HA	19	0.87
(3,1100)	1:19:B:GLU:HG3	1:18:B:ARG:HG2	20	0.87
(3,936)	1:32:B:VAL:HG22	1:35:B:ALA:HA	13	0.87
(3,811)	1:107:B:ALA:HB3	1:109:B:ARG:HB2	4	0.87
(3,811)	1:107:B:ALA:HB1	1:108:B:LYS:HB2	7	0.87
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD11	5	0.87
(3,722)	1:27:B:VAL:HG11	1:30:B:GLN:HE21	9	0.87
(3,541)	1:124:B:VAL:HG23	1:115:B:VAL:HB	3	0.87
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB1	5	0.87
(3,493)	1:130:B:LEU:HD13	1:128:B:ARG:HA	19	0.87
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD13	13	0.87
(3,470)	1:25:B:LYS:HE3	1:26:B:ASP:H	14	0.87
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD13	6	0.87
(3,186)	1:85:B:GLN:H	1:84:B:LEU:HD13	14	0.87
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD11	17	0.87
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG2	14	0.87
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	18	0.87
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	12	0.87
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	4	0.87
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	4	0.87
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	3	0.87
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	3	0.87
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	3	0.87
(1,2302)	1:43:B:VAL:HG21	1:43:B:VAL:H	3	0.87
(1,2302)	1:43:B:VAL:HG22	1:43:B:VAL:H	3	0.87
(1,2302)	1:43:B:VAL:HG23	1:43:B:VAL:H	3	0.87
(1,2302)	1:43:B:VAL:HG21	1:43:B:VAL:H	12	0.87
(1,2302)	1:43:B:VAL:HG22	1:43:B:VAL:H	12	0.87
(1,2302)	1:43:B:VAL:HG23	1:43:B:VAL:H	12	0.87
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG21	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG22	11	0.87
(1,2204)	1:69:B:LYS:HB2	1:71:B:THR:HG23	11	0.87
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	3	0.87
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	3	0.87
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	3	0.87
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	18	0.87
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD21	12	0.87
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD22	12	0.87
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD23	12	0.87
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	8	0.87
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	8	0.87
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	8	0.87
(1,1804)	1:74:B:VAL:HG11	1:74:B:VAL:H	2	0.87
(1,1804)	1:74:B:VAL:HG12	1:74:B:VAL:H	2	0.87
(1,1804)	1:74:B:VAL:HG13	1:74:B:VAL:H	2	0.87
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	19	0.87
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	19	0.87
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	19	0.87
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	19	0.87
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	19	0.87
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	19	0.87
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD11	20	0.87
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD12	20	0.87
(1,1491)	1:20:B:LEU:HA	1:20:B:LEU:HD13	20	0.87
(1,1431)	1:103:B:LYS:HE2	1:103:B:LYS:HB2	2	0.87
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	16	0.87
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	16	0.87
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	16	0.87
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	16	0.87
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	16	0.87
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	16	0.87
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	16	0.87
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	16	0.87
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	16	0.87
(1,1250)	1:115:B:VAL:HG21	1:116:B:ASP:H	8	0.87
(1,1250)	1:115:B:VAL:HG22	1:116:B:ASP:H	8	0.87
(1,1250)	1:115:B:VAL:HG23	1:116:B:ASP:H	8	0.87
(1,1165)	1:119:B:LEU:HD11	1:127:B:ARG:HD3	20	0.87
(1,1165)	1:119:B:LEU:HD12	1:127:B:ARG:HD3	20	0.87
(1,1165)	1:119:B:LEU:HD13	1:127:B:ARG:HD3	20	0.87
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	13	0.87
(1,740)	1:121:B:LEU:H	1:121:B:LEU:HG	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	2	0.87
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE2	14	0.86
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE2	18	0.86
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HG3	15	0.86
(3,1868)	1:118:B:LEU:HD11	1:125:B:ALA:H	12	0.86
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	10	0.86
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	6	0.86
(3,1646)	1:34:B:GLU:HG2	1:33:B:VAL:HG22	10	0.86
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG23	9	0.86
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	8	0.86
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	14	0.86
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	18	0.86
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	17	0.86
(3,1484)	1:50:B:ILE:HG21	1:55:B:VAL:H	15	0.86
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD2	18	0.86
(3,1384)	1:54:B:LEU:HD22	1:60:B:ALA:HB1	5	0.86
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	15	0.86
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD12	6	0.86
(3,1174)	1:74:B:VAL:HG11	1:75:B:LEU:HG	10	0.86
(3,1174)	1:74:B:VAL:HG13	1:75:B:LEU:HG	16	0.86
(3,1027)	1:88:B:PHE:HA	1:123:B:LEU:HB3	19	0.86
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	3	0.86
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	11	0.86
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	19	0.86
(3,811)	1:107:B:ALA:HB1	1:108:B:LYS:HB2	17	0.86
(3,811)	1:107:B:ALA:HB2	1:109:B:ARG:HB2	20	0.86
(3,745)	1:114:B:ILE:HD12	1:115:B:VAL:HA	10	0.86
(3,734)	1:114:B:ILE:HG22	1:115:B:VAL:HB	19	0.86
(3,709)	1:84:B:LEU:HD13	1:90:B:GLU:H	6	0.86
(3,631)	1:119:B:LEU:HD13	1:128:B:ARG:H	3	0.86
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD21	5	0.86
(3,318)	1:135:B:GLN:HE21	1:129:B:GLU:HB3	16	0.86
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	13	0.86
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	16	0.86
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD23	17	0.86
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	18	0.86
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	7	0.86
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	13	0.86
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	13	0.86
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	13	0.86
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG21	19	0.86
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG22	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG23	19	0.86
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD11	10	0.86
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD12	10	0.86
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD13	10	0.86
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	15	0.86
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	15	0.86
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	15	0.86
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	15	0.86
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	15	0.86
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	15	0.86
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	6	0.86
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	6	0.86
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	6	0.86
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	1	0.86
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	1	0.86
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	1	0.86
(1,1644)	1:89:B:GLU:HG3	1:92:B:ARG:HD2	11	0.86
(1,1431)	1:103:B:LYS:HE2	1:103:B:LYS:HB2	3	0.86
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB3	6	0.86
(1,1431)	1:103:B:LYS:HE2	1:103:B:LYS:HB2	14	0.86
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	11	0.86
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	11	0.86
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	11	0.86
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	11	0.86
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	11	0.86
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	11	0.86
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	11	0.86
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	11	0.86
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	11	0.86
(1,1357)	1:108:B:LYS:HB2	1:105:B:ILE:HG23	20	0.86
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	4	0.86
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	4	0.86
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	4	0.86
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	6	0.86
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	6	0.86
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	6	0.86
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	20	0.86
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	20	0.86
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	20	0.86
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	19	0.86
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	19	0.86
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE1	5	0.86
(1,1177)	1:119:B:LEU:HD11	1:88:B:PHE:HE2	5	0.86
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE1	5	0.86
(1,1177)	1:119:B:LEU:HD12	1:88:B:PHE:HE2	5	0.86
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE1	5	0.86
(1,1177)	1:119:B:LEU:HD13	1:88:B:PHE:HE2	5	0.86
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	14	0.86
(1,999)	1:67:B:GLN:HB2	1:67:B:GLN:H	12	0.86
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	15	0.86
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	15	0.86
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	15	0.86
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	15	0.86
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	15	0.86
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	15	0.86
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	15	0.86
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	15	0.86
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	15	0.86
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	6	0.86
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	6	0.86
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	6	0.86
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	9	0.86
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	9	0.86
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	9	0.86
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	6	0.86
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	15	0.85
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE1	2	0.85
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	15	0.85
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD12	11	0.85
(3,1764)	1:17:B:LEU:HD11	1:57:B:MET:HE3	4	0.85
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG22	3	0.85
(3,1670)	1:32:B:VAL:HG23	1:22:B:LEU:H	13	0.85
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	1	0.85
(3,1571)	1:40:B:LEU:HD11	1:54:B:LEU:HD11	5	0.85
(3,1571)	1:22:B:LEU:HD11	1:54:B:LEU:HD21	17	0.85
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	17	0.85
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	5	0.85
(3,1472)	1:50:B:ILE:HD13	1:51:B:ILE:HA	3	0.85
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG21	14	0.85
(3,1391)	1:54:B:LEU:HD12	1:33:B:VAL:H	1	0.85
(3,1391)	1:54:B:LEU:HD12	1:33:B:VAL:H	6	0.85
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	8	0.85
(3,1376)	1:54:B:LEU:HD13	1:60:B:ALA:HB1	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1338)	1:57:B:MET:HE1	1:57:B:MET:HB3	6	0.85
(3,1234)	1:46:B:THR:HG21	1:47:B:ARG:HD3	6	0.85
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	12	0.85
(3,1113)	1:82:B:LEU:HD13	1:83:B:GLU:HB3	11	0.85
(3,936)	1:32:B:VAL:HG23	1:35:B:ALA:HA	1	0.85
(3,936)	1:32:B:VAL:HG21	1:35:B:ALA:HA	10	0.85
(3,935)	1:97:B:VAL:HG22	1:98:B:LEU:HB3	14	0.85
(3,912)	1:98:B:LEU:HD22	1:131:B:TYR:HD2	19	0.85
(3,811)	1:107:B:ALA:HB3	1:108:B:LYS:HB2	10	0.85
(3,753)	1:113:B:ARG:HD3	1:109:B:ARG:HD2	20	0.85
(3,709)	1:115:B:VAL:HG11	1:119:B:LEU:H	9	0.85
(3,693)	1:33:B:VAL:HG22	1:37:B:LEU:HG	11	0.85
(3,603)	1:121:B:LEU:HD13	1:121:B:LEU:HA	11	0.85
(3,603)	1:121:B:LEU:HD12	1:121:B:LEU:HA	17	0.85
(3,553)	1:124:B:VAL:HG13	1:128:B:ARG:H	3	0.85
(3,504)	1:13:B:GLU:HG3	1:40:B:LEU:HB3	20	0.85
(3,480)	1:131:B:TYR:HB3	1:130:B:LEU:HB3	20	0.85
(3,479)	1:131:B:TYR:HB3	1:133:B:LYS:HB2	12	0.85
(3,439)	1:14:B:GLU:HB3	1:17:B:LEU:HG	2	0.85
(3,401)	1:133:B:LYS:HE2	1:133:B:LYS:HB3	12	0.85
(3,357)	1:98:B:LEU:HD12	1:114:B:ILE:H	3	0.85
(3,104)	1:52:B:HIS:H	1:55:B:VAL:HG12	2	0.85
(3,104)	1:52:B:HIS:H	1:55:B:VAL:HG12	12	0.85
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG22	11	0.85
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD11	1	0.85
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	5	0.85
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	6	0.85
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	6	0.85
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	6	0.85
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	9	0.85
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG3	4	0.85
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HG3	1	0.85
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG21	6	0.85
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG22	6	0.85
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG23	6	0.85
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG21	6	0.85
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG22	6	0.85
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG23	6	0.85
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG21	6	0.85
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG22	6	0.85
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG23	6	0.85
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	15	0.85
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	15	0.85
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	11	0.85
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	11	0.85
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	11	0.85
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	12	0.85
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	5	0.85
(1,1522)	1:97:B:VAL:HG21	1:92:B:ARG:HB2	3	0.85
(1,1522)	1:97:B:VAL:HG22	1:92:B:ARG:HB2	3	0.85
(1,1522)	1:97:B:VAL:HG23	1:92:B:ARG:HB2	3	0.85
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB3	9	0.85
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB3	20	0.85
(1,1388)	1:106:B:THR:HG21	1:80:B:GLN:HG2	20	0.85
(1,1388)	1:106:B:THR:HG22	1:80:B:GLN:HG2	20	0.85
(1,1388)	1:106:B:THR:HG23	1:80:B:GLN:HG2	20	0.85
(1,1286)	1:114:B:ILE:HD11	1:109:B:ARG:HD2	3	0.85
(1,1286)	1:114:B:ILE:HD12	1:109:B:ARG:HD2	3	0.85
(1,1286)	1:114:B:ILE:HD13	1:109:B:ARG:HD2	3	0.85
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	6	0.85
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	6	0.85
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	6	0.85
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG2	3	0.85
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG2	3	0.85
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG2	3	0.85
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	11	0.85
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	11	0.85
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	11	0.85
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	11	0.85
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	11	0.85
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	11	0.85
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	11	0.85
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	11	0.85
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	11	0.85
(1,1146)	1:112:B:ALA:HA	1:127:B:ARG:HD3	10	0.85
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD3	8	0.85
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	11	0.85
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	11	0.85
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	8	0.85
(1,724)	1:117:B:LYS:H	1:117:B:LYS:HD3	2	0.85
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	12	0.85
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	3	0.85
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	7	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	13	0.85
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	14	0.85
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	16	0.85
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	17	0.85
(3,1873)	1:118:B:LEU:HD12	1:119:B:LEU:HA	2	0.84
(3,1868)	1:118:B:LEU:HD12	1:88:B:PHE:H	1	0.84
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD11	9	0.84
(3,1800)	1:15:B:ALA:HB2	1:22:B:LEU:HD11	20	0.84
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	17	0.84
(3,1753)	1:111:B:ARG:HD2	1:98:B:LEU:HB2	15	0.84
(3,1670)	1:32:B:VAL:HG22	1:22:B:LEU:H	10	0.84
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	16	0.84
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD13	10	0.84
(3,1571)	1:22:B:LEU:HD13	1:54:B:LEU:HD21	7	0.84
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	16	0.84
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	13	0.84
(3,1437)	1:51:B:ILE:HG21	1:62:B:SER:HB3	1	0.84
(3,1417)	1:52:B:HIS:HD2	1:63:B:VAL:HB	10	0.84
(3,1391)	1:54:B:LEU:HD12	1:33:B:VAL:H	11	0.84
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	8	0.84
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD22	11	0.84
(3,1248)	1:89:B:GLU:HB2	1:90:B:GLU:HG3	12	0.84
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	4	0.84
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	1	0.84
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG13	10	0.84
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG13	10	0.84
(3,1203)	1:73:B:ILE:HD12	1:72:B:HIS:HD2	4	0.84
(3,1189)	1:73:B:ILE:HG23	1:113:B:ARG:HB3	2	0.84
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD22	4	0.84
(3,1143)	1:76:B:TRP:HD1	1:117:B:LYS:HB3	7	0.84
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG12	3	0.84
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	13	0.84
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG12	16	0.84
(3,936)	1:32:B:VAL:HG21	1:35:B:ALA:HA	8	0.84
(3,852)	1:114:B:ILE:HG23	1:88:B:PHE:H	2	0.84
(3,815)	1:106:B:THR:HG21	1:84:B:LEU:H	2	0.84
(3,750)	1:114:B:ILE:HG22	1:118:B:LEU:HD21	11	0.84
(3,674)	1:7:B:PRO:HB3	1:43:B:VAL:HG11	20	0.84
(3,603)	1:121:B:LEU:HD11	1:121:B:LEU:HA	2	0.84
(3,585)	1:121:B:LEU:HD11	1:81:B:GLU:H	13	0.84
(3,582)	1:75:B:LEU:HG	1:75:B:LEU:H	20	0.84
(3,493)	1:130:B:LEU:HD13	1:128:B:ARG:HA	15	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,470)	1:25:B:LYS:HE3	1:26:B:ASP:H	10	0.84
(3,401)	1:133:B:LYS:HE3	1:133:B:LYS:HB2	1	0.84
(3,357)	1:98:B:LEU:HD13	1:114:B:ILE:H	1	0.84
(3,305)	1:129:B:GLU:H	1:133:B:LYS:HG2	18	0.84
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	7	0.84
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD13	1	0.84
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD13	6	0.84
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD11	3	0.84
(2,7)	1:68:B:ARG:H	1:64:B:LYS:HB3	19	0.84
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG11	2	0.84
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG12	2	0.84
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG13	2	0.84
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG11	2	0.84
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG12	2	0.84
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG13	2	0.84
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG11	2	0.84
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG12	2	0.84
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG13	2	0.84
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	1	0.84
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	1	0.84
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	1	0.84
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	15	0.84
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	15	0.84
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	7	0.84
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	7	0.84
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	7	0.84
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	14	0.84
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	14	0.84
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	14	0.84
(1,2302)	1:43:B:VAL:HG21	1:43:B:VAL:H	6	0.84
(1,2302)	1:43:B:VAL:HG22	1:43:B:VAL:H	6	0.84
(1,2302)	1:43:B:VAL:HG23	1:43:B:VAL:H	6	0.84
(1,2121)	1:52:B:HIS:HB2	1:56:B:GLN:HB3	2	0.84
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	13	0.84
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	13	0.84
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	13	0.84
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	5	0.84
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	5	0.84
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	5	0.84
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	9	0.84
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	9	0.84
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	9	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	18	0.84
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	18	0.84
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	18	0.84
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	3	0.84
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	3	0.84
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	3	0.84
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	13	0.84
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	13	0.84
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	13	0.84
(1,1730)	1:85:B:GLN:HG3	1:118:B:LEU:HG	2	0.84
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	12	0.84
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	12	0.84
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	12	0.84
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG23	9	0.84
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	4	0.84
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	4	0.84
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	4	0.84
(1,1250)	1:115:B:VAL:HG21	1:116:B:ASP:H	20	0.84
(1,1250)	1:115:B:VAL:HG22	1:116:B:ASP:H	20	0.84
(1,1250)	1:115:B:VAL:HG23	1:116:B:ASP:H	20	0.84
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	15	0.84
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	15	0.84
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	15	0.84
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	1	0.84
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	1	0.84
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	1	0.84
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	1	0.84
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	1	0.84
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	1	0.84
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	1	0.84
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	1	0.84
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	1	0.84
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	6	0.84
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	6	0.84
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	6	0.84
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	6	0.84
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	4	0.84
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG11	10	0.84
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG12	10	0.84
(1,401)	1:63:B:VAL:H	1:63:B:VAL:HG13	10	0.84
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	5	0.84
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	11	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	15	0.84
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	20	0.84
(1,354)	1:56:B:GLN:HE22	1:53:B:HIS:HE1	19	0.84
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG23	5	0.83
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	12	0.83
(3,1800)	1:15:B:ALA:HB3	1:22:B:LEU:HD11	3	0.83
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD21	18	0.83
(3,1617)	1:36:B:ILE:HA	1:37:B:LEU:HB2	16	0.83
(3,1590)	1:39:B:HIS:HD2	1:40:B:LEU:HB2	20	0.83
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	4	0.83
(3,1472)	1:50:B:ILE:HD12	1:51:B:ILE:HA	13	0.83
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	8	0.83
(3,1417)	1:9:B:TRP:HE3	1:17:B:LEU:HB3	12	0.83
(3,1384)	1:54:B:LEU:HD21	1:60:B:ALA:HB2	2	0.83
(3,1384)	1:54:B:LEU:HD21	1:60:B:ALA:HB1	10	0.83
(3,1338)	1:57:B:MET:HE1	1:57:B:MET:HB3	16	0.83
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	8	0.83
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	8	0.83
(3,1234)	1:46:B:THR:HG22	1:47:B:ARG:HD3	1	0.83
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG12	5	0.83
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG12	15	0.83
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG11	20	0.83
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG12	5	0.83
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG12	15	0.83
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG11	20	0.83
(3,1174)	1:74:B:VAL:HG11	1:75:B:LEU:HG	4	0.83
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD21	17	0.83
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	13	0.83
(3,1108)	1:82:B:LEU:HD11	1:82:B:LEU:H	12	0.83
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	12	0.83
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD11	13	0.83
(3,925)	1:97:B:VAL:HG11	1:118:B:LEU:HD12	16	0.83
(3,903)	1:98:B:LEU:HD21	1:130:B:LEU:HA	20	0.83
(3,734)	1:114:B:ILE:HG21	1:115:B:VAL:HB	2	0.83
(3,734)	1:114:B:ILE:HG23	1:102:B:MET:HE2	4	0.83
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD22	7	0.83
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	7	0.83
(3,447)	1:134:B:ARG:HB2	1:135:B:GLN:HG2	1	0.83
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG2	13	0.83
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	13	0.83
(3,367)	1:98:B:LEU:HD11	1:98:B:LEU:HA	12	0.83
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD13	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,186)	1:85:B:GLN:H	1:84:B:LEU:HD11	2	0.83
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	5	0.83
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	5	0.83
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	5	0.83
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	15	0.83
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	19	0.83
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	12	0.83
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	12	0.83
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	12	0.83
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	19	0.83
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	19	0.83
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	19	0.83
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	9	0.83
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	9	0.83
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	9	0.83
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	6	0.83
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	6	0.83
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	6	0.83
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	4	0.83
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	4	0.83
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	4	0.83
(1,2081)	1:54:B:LEU:HD11	1:33:B:VAL:HB	3	0.83
(1,2081)	1:54:B:LEU:HD12	1:33:B:VAL:HB	3	0.83
(1,2081)	1:54:B:LEU:HD13	1:33:B:VAL:HB	3	0.83
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	6	0.83
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	6	0.83
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	6	0.83
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	6	0.83
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	6	0.83
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	6	0.83
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	12	0.83
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	12	0.83
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	12	0.83
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	10	0.83
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	10	0.83
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	10	0.83
(1,1603)	1:66:B:PHE:HE1	1:65:B:ASP:HB3	11	0.83
(1,1603)	1:66:B:PHE:HE2	1:65:B:ASP:HB3	11	0.83
(1,1515)	1:97:B:VAL:HG13	1:123:B:LEU:HB3	12	0.83
(1,1406)	1:105:B:ILE:HG21	1:80:B:GLN:HE21	12	0.83
(1,1406)	1:105:B:ILE:HG22	1:80:B:GLN:HE21	12	0.83
(1,1406)	1:105:B:ILE:HG23	1:80:B:GLN:HE21	12	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	20	0.83
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	20	0.83
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	20	0.83
(1,1070)	1:124:B:VAL:HG21	1:130:B:LEU:HB3	10	0.83
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	16	0.83
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	16	0.83
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	16	0.83
(1,879)	1:59:B:LEU:HD22	1:21:B:TYR:HD1	2	0.83
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	4	0.83
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	9	0.83
(3,1873)	1:118:B:LEU:HD12	1:119:B:LEU:HA	17	0.82
(3,1868)	1:118:B:LEU:HD11	1:88:B:PHE:H	6	0.82
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	1	0.82
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	6	0.82
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	14	0.82
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	14	0.82
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	16	0.82
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG22	10	0.82
(3,1571)	1:22:B:LEU:HD13	1:54:B:LEU:HD22	1	0.82
(3,1571)	1:40:B:LEU:HD11	1:54:B:LEU:HD12	13	0.82
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	19	0.82
(3,1545)	1:43:B:VAL:HG11	1:45:B:ARG:HB3	7	0.82
(3,1545)	1:43:B:VAL:HG12	1:7:B:PRO:HB2	9	0.82
(3,1484)	1:50:B:ILE:HG22	1:55:B:VAL:H	18	0.82
(3,1474)	1:50:B:ILE:HD11	1:43:B:VAL:H	3	0.82
(3,1472)	1:50:B:ILE:HD13	1:51:B:ILE:HA	1	0.82
(3,1472)	1:50:B:ILE:HD12	1:51:B:ILE:HA	5	0.82
(3,1472)	1:50:B:ILE:HD11	1:51:B:ILE:HA	19	0.82
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	14	0.82
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD13	2	0.82
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	6	0.82
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	6	0.82
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB2	20	0.82
(3,1178)	1:27:B:VAL:HG23	1:30:B:GLN:HE21	18	0.82
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD21	3	0.82
(3,1050)	1:82:B:LEU:HG	1:85:B:GLN:HG2	3	0.82
(3,1040)	1:127:B:ARG:HD3	1:131:B:TYR:HD1	8	0.82
(3,1006)	1:19:B:GLU:HG3	1:16:B:HIS:HE1	6	0.82
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	20	0.82
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	8	0.82
(3,960)	1:92:B:ARG:HD2	1:118:B:LEU:HD22	20	0.82
(3,912)	1:98:B:LEU:HD23	1:131:B:TYR:HD1	8	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,895)	1:98:B:LEU:HD21	1:102:B:MET:HG3	10	0.82
(3,862)	1:101:B:ILE:HD11	1:98:B:LEU:HB3	16	0.82
(3,860)	1:101:B:ILE:HD12	1:118:B:LEU:HD21	2	0.82
(3,860)	1:101:B:ILE:HD11	1:118:B:LEU:HD22	5	0.82
(3,829)	1:31:B:ASP:HB3	1:30:B:GLN:HE22	4	0.82
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB3	14	0.82
(3,811)	1:107:B:ALA:HB1	1:108:B:LYS:HB2	2	0.82
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	17	0.82
(3,378)	1:22:B:LEU:HD12	1:18:B:ARG:HD2	6	0.82
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD11	18	0.82
(3,191)	1:85:B:GLN:HE22	1:123:B:LEU:HD11	5	0.82
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD13	13	0.82
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	2	0.82
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	2	0.82
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	2	0.82
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	2	0.82
(1,2736)	1:76:B:TRP:HH2	1:114:B:ILE:HG13	5	0.82
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	7	0.82
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	7	0.82
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	7	0.82
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	6	0.82
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE1	7	0.82
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE2	7	0.82
(1,2302)	1:43:B:VAL:HG21	1:43:B:VAL:H	10	0.82
(1,2302)	1:43:B:VAL:HG22	1:43:B:VAL:H	10	0.82
(1,2302)	1:43:B:VAL:HG23	1:43:B:VAL:H	10	0.82
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG21	3	0.82
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG22	3	0.82
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG23	3	0.82
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG21	3	0.82
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG22	3	0.82
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG23	3	0.82
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG21	3	0.82
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG22	3	0.82
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG23	3	0.82
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG21	18	0.82
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG22	18	0.82
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG23	18	0.82
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	8	0.82
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	8	0.82
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	8	0.82
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	8	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	8	0.82
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	8	0.82
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	8	0.82
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	8	0.82
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	8	0.82
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	10	0.82
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	3	0.82
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	3	0.82
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	3	0.82
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	14	0.82
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	14	0.82
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	14	0.82
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	12	0.82
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	5	0.82
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	8	0.82
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	1	0.82
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	1	0.82
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	1	0.82
(1,1138)	1:121:B:LEU:HD12	1:85:B:GLN:HB2	14	0.82
(1,880)	1:75:B:LEU:HD21	1:76:B:TRP:HD1	7	0.82
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG3	2	0.82
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	10	0.82
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	12	0.82
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG11	4	0.82
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG12	4	0.82
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG13	4	0.82
(3,1860)	1:60:B:ALA:HA	1:54:B:LEU:HB2	12	0.81
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	5	0.81
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	15	0.81
(3,1528)	1:46:B:THR:HB	1:45:B:ARG:HG2	14	0.81
(3,1502)	1:133:B:LYS:HB3	1:134:B:ARG:HD2	9	0.81
(3,1485)	1:50:B:ILE:HG21	1:49:B:GLN:H	20	0.81
(3,1437)	1:51:B:ILE:HG21	1:62:B:SER:HB3	12	0.81
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	4	0.81
(3,1361)	1:55:B:VAL:HG13	1:52:B:HIS:HB2	20	0.81
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG13	3	0.81
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD13	19	0.81
(3,1108)	1:82:B:LEU:HD11	1:82:B:LEU:H	19	0.81
(3,999)	1:34:B:GLU:HG2	1:47:B:ARG:HB3	8	0.81
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	18	0.81
(3,903)	1:98:B:LEU:HD22	1:130:B:LEU:HA	9	0.81
(3,863)	1:36:B:ILE:HD12	1:54:B:LEU:HG	10	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,825)	1:105:B:ILE:HG21	1:108:B:LYS:HB2	17	0.81
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD22	9	0.81
(3,730)	1:128:B:ARG:HB3	1:126:B:GLU:HB2	5	0.81
(3,724)	1:114:B:ILE:HB	1:115:B:VAL:HG11	13	0.81
(3,709)	1:115:B:VAL:HG12	1:119:B:LEU:H	7	0.81
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	1	0.81
(3,630)	1:59:B:LEU:HD11	1:18:B:ARG:HA	6	0.81
(3,550)	1:124:B:VAL:HG13	1:118:B:LEU:HB3	19	0.81
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	4	0.81
(3,493)	1:130:B:LEU:HD12	1:128:B:ARG:HA	2	0.81
(3,485)	1:131:B:TYR:HE1	1:130:B:LEU:HB2	19	0.81
(3,378)	1:40:B:LEU:HD11	1:16:B:HIS:HB3	7	0.81
(3,338)	1:3:B:SER:HB3	1:4:B:ARG:HG2	4	0.81
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE3	2	0.81
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD22	9	0.81
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD13	9	0.81
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD11	12	0.81
(3,97)	1:108:B:LYS:H	1:108:B:LYS:HG2	20	0.81
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG21	8	0.81
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG2	20	0.81
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	20	0.81
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	20	0.81
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	20	0.81
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	13	0.81
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	13	0.81
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	13	0.81
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	17	0.81
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	17	0.81
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	17	0.81
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	19	0.81
(1,2276)	1:43:B:VAL:HG21	1:49:B:GLN:HB3	7	0.81
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG21	10	0.81
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG22	10	0.81
(1,2274)	1:43:B:VAL:HG21	1:42:B:THR:HG23	10	0.81
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG21	10	0.81
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG22	10	0.81
(1,2274)	1:43:B:VAL:HG22	1:42:B:THR:HG23	10	0.81
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG21	10	0.81
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG22	10	0.81
(1,2274)	1:43:B:VAL:HG23	1:42:B:THR:HG23	10	0.81
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	19	0.81
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	19	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	19	0.81
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	1	0.81
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	1	0.81
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	1	0.81
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	7	0.81
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	7	0.81
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	7	0.81
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	7	0.81
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	7	0.81
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	7	0.81
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	8	0.81
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	8	0.81
(1,1431)	1:103:B:LYS:HE2	1:103:B:LYS:HB2	15	0.81
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	12	0.81
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	12	0.81
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	12	0.81
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	3	0.81
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	3	0.81
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	3	0.81
(1,1357)	1:108:B:LYS:HB2	1:105:B:ILE:HG22	11	0.81
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	12	0.81
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	12	0.81
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	12	0.81
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	12	0.81
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	12	0.81
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	12	0.81
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	12	0.81
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	12	0.81
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	12	0.81
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG21	9	0.81
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG22	9	0.81
(1,984)	1:130:B:LEU:HD11	1:124:B:VAL:HG23	9	0.81
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG21	9	0.81
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG22	9	0.81
(1,984)	1:130:B:LEU:HD12	1:124:B:VAL:HG23	9	0.81
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG21	9	0.81
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG22	9	0.81
(1,984)	1:130:B:LEU:HD13	1:124:B:VAL:HG23	9	0.81
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	12	0.81
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	7	0.81
(3,1802)	1:15:B:ALA:HB2	1:14:B:GLU:HB3	12	0.8
(3,1792)	1:16:B:HIS:HB3	1:43:B:VAL:HG12	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1776)	1:17:B:LEU:HD21	1:19:B:GLU:H	2	0.8
(3,1776)	1:17:B:LEU:HD23	1:53:B:HIS:HE1	13	0.8
(3,1773)	1:17:B:LEU:HD12	1:40:B:LEU:H	12	0.8
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	9	0.8
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD13	14	0.8
(3,1472)	1:50:B:ILE:HD12	1:51:B:ILE:HA	2	0.8
(3,1472)	1:50:B:ILE:HD11	1:51:B:ILE:HA	12	0.8
(3,1435)	1:51:B:ILE:HG22	1:48:B:LYS:HG2	2	0.8
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	9	0.8
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	7	0.8
(3,1340)	1:57:B:MET:HE1	1:60:B:ALA:H	4	0.8
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD11	17	0.8
(3,1322)	1:37:B:LEU:HD21	1:48:B:LYS:H	2	0.8
(3,1319)	1:37:B:LEU:HD22	1:66:B:PHE:HE2	3	0.8
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG23	14	0.8
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG12	16	0.8
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG12	16	0.8
(3,1174)	1:74:B:VAL:HG12	1:75:B:LEU:HG	17	0.8
(3,1137)	1:76:B:TRP:HB2	1:74:B:VAL:HB	8	0.8
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG23	3	0.8
(3,1108)	1:82:B:LEU:HD12	1:82:B:LEU:H	3	0.8
(3,1108)	1:82:B:LEU:HD12	1:82:B:LEU:H	8	0.8
(3,1108)	1:82:B:LEU:HD13	1:82:B:LEU:H	16	0.8
(3,936)	1:32:B:VAL:HG23	1:35:B:ALA:HA	7	0.8
(3,934)	1:97:B:VAL:HG23	1:118:B:LEU:HD12	10	0.8
(3,838)	1:102:B:MET:HE1	1:99:B:GLY:HA3	16	0.8
(3,820)	1:105:B:ILE:HA	1:87:B:LEU:HB2	3	0.8
(3,811)	1:107:B:ALA:HB1	1:109:B:ARG:HB2	18	0.8
(3,609)	1:112:B:ALA:HB2	1:113:B:ARG:HB2	17	0.8
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD13	15	0.8
(3,596)	1:84:B:LEU:HD22	1:114:B:ILE:HG13	1	0.8
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	12	0.8
(3,470)	1:25:B:LYS:HE3	1:26:B:ASP:H	1	0.8
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	7	0.8
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	10	0.8
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD13	18	0.8
(3,97)	1:108:B:LYS:H	1:108:B:LYS:HG2	17	0.8
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	6	0.8
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	9	0.8
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	9	0.8
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	9	0.8
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	20	0.8
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	20	0.8
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	12	0.8
(1,1807)	1:27:B:VAL:HG21	1:30:B:GLN:HB3	6	0.8
(1,1807)	1:27:B:VAL:HG22	1:30:B:GLN:HB3	6	0.8
(1,1807)	1:27:B:VAL:HG23	1:30:B:GLN:HB3	6	0.8
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	6	0.8
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	6	0.8
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	6	0.8
(1,1517)	1:97:B:VAL:HG11	1:98:B:LEU:HB2	8	0.8
(1,1517)	1:97:B:VAL:HG12	1:98:B:LEU:HB2	8	0.8
(1,1517)	1:97:B:VAL:HG13	1:98:B:LEU:HB2	8	0.8
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	18	0.8
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	18	0.8
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	18	0.8
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	11	0.8
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	11	0.8
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	11	0.8
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	14	0.8
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	14	0.8
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	14	0.8
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	4	0.8
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	4	0.8
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	4	0.8
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	9	0.8
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	9	0.8
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	9	0.8
(1,1250)	1:115:B:VAL:HG21	1:116:B:ASP:H	13	0.8
(1,1250)	1:115:B:VAL:HG22	1:116:B:ASP:H	13	0.8
(1,1250)	1:115:B:VAL:HG23	1:116:B:ASP:H	13	0.8
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	11	0.8
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	11	0.8
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	11	0.8
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	7	0.8
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	7	0.8
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	7	0.8
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	11	0.8
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	11	0.8
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	11	0.8
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	3	0.8
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	15	0.8
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	17	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:59:B:LEU:H	1:59:B:LEU:HB2	4	0.8
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	8	0.8
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	7	0.79
(3,1898)	1:88:B:PHE:HE2	1:88:B:PHE:H	13	0.79
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	2	0.79
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD22	7	0.79
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	15	0.79
(3,1776)	1:17:B:LEU:HD22	1:19:B:GLU:H	8	0.79
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD21	8	0.79
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	2	0.79
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	2	0.79
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD13	4	0.79
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	3	0.79
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	9	0.79
(3,1550)	1:43:B:VAL:HG22	1:42:B:THR:HA	6	0.79
(3,1550)	1:43:B:VAL:HG21	1:42:B:THR:HA	10	0.79
(3,1423)	1:52:B:HIS:HE1	1:56:B:GLN:HG2	6	0.79
(3,1423)	1:52:B:HIS:HE1	1:56:B:GLN:HG2	10	0.79
(3,1384)	1:54:B:LEU:HD21	1:60:B:ALA:HB2	14	0.79
(3,1383)	1:54:B:LEU:HD21	1:59:B:LEU:HG	11	0.79
(3,1379)	1:54:B:LEU:HD11	1:52:B:HIS:HA	12	0.79
(3,1361)	1:55:B:VAL:HG12	1:52:B:HIS:HB2	2	0.79
(3,1352)	1:56:B:GLN:HG3	1:54:B:LEU:HA	12	0.79
(3,1338)	1:57:B:MET:HE2	1:57:B:MET:HB3	15	0.79
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD11	15	0.79
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD11	8	0.79
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG13	6	0.79
(3,1226)	1:71:B:THR:HB	1:74:B:VAL:HG11	13	0.79
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG22	18	0.79
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD21	19	0.79
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	14	0.79
(3,1110)	1:82:B:LEU:HD11	1:87:B:LEU:H	19	0.79
(3,1108)	1:82:B:LEU:HD12	1:82:B:LEU:H	7	0.79
(3,1027)	1:88:B:PHE:HA	1:123:B:LEU:HB3	8	0.79
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	12	0.79
(3,1005)	1:19:B:GLU:HG3	1:18:B:ARG:H	12	0.79
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	2	0.79
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD11	16	0.79
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD2	19	0.79
(3,916)	1:37:B:LEU:HD11	1:50:B:ILE:H	4	0.79
(3,895)	1:98:B:LEU:HD22	1:102:B:MET:HG3	8	0.79
(3,885)	1:98:B:LEU:HA	1:114:B:ILE:HG21	15	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,745)	1:114:B:ILE:HD11	1:115:B:VAL:HA	4	0.79
(3,709)	1:115:B:VAL:HG11	1:119:B:LEU:H	14	0.79
(3,560)	1:123:B:LEU:HD23	1:88:B:PHE:HB2	14	0.79
(3,550)	1:124:B:VAL:HG12	1:118:B:LEU:HB3	1	0.79
(3,318)	1:135:B:GLN:HE21	1:129:B:GLU:HB3	13	0.79
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD22	6	0.79
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD11	8	0.79
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD11	15	0.79
(3,12)	1:9:B:TRP:HE1	1:50:B:ILE:HD12	7	0.79
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD21	6	0.79
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD22	6	0.79
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD23	6	0.79
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	15	0.79
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	13	0.79
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	15	0.79
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	15	0.79
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	15	0.79
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	7	0.79
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	7	0.79
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	7	0.79
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD21	6	0.79
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD22	6	0.79
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD23	6	0.79
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	18	0.79
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	18	0.79
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	6	0.79
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	13	0.79
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG3	13	0.79
(1,2197)	1:49:B:GLN:HG2	1:45:B:ARG:HG3	11	0.79
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	17	0.79
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	17	0.79
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	17	0.79
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	19	0.79
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	19	0.79
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	19	0.79
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	14	0.79
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	14	0.79
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	14	0.79
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	6	0.79
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	6	0.79
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	6	0.79
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	13	0.79
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	13	0.79
(1,1632)	1:45:B:ARG:HB2	1:48:B:LYS:HE3	7	0.79
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	6	0.79
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	6	0.79
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	6	0.79
(1,1357)	1:108:B:LYS:HB2	1:105:B:ILE:HG23	16	0.79
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	8	0.79
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	8	0.79
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	8	0.79
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	6	0.79
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	6	0.79
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	6	0.79
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	19	0.79
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	19	0.79
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	19	0.79
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	15	0.79
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	15	0.79
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	15	0.79
(1,1230)	1:115:B:VAL:HG21	1:116:B:ASP:HB2	13	0.79
(1,1230)	1:115:B:VAL:HG22	1:116:B:ASP:HB2	13	0.79
(1,1230)	1:115:B:VAL:HG23	1:116:B:ASP:HB2	13	0.79
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG11	1	0.79
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG12	1	0.79
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG13	1	0.79
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	7	0.79
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	4	0.79
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	16	0.79
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	16	0.79
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	16	0.79
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	4	0.79
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	4	0.79
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	4	0.79
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	10	0.79
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	10	0.79
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	10	0.79
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB1	6	0.79
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB2	6	0.79
(1,483)	1:76:B:TRP:HE1	1:107:B:ALA:HB3	6	0.79
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	1	0.79
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE3	9	0.78
(3,1873)	1:118:B:LEU:HD11	1:119:B:LEU:HA	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	8	0.78
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	16	0.78
(3,1802)	1:15:B:ALA:HB1	1:14:B:GLU:HB3	20	0.78
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG21	2	0.78
(3,1663)	1:32:B:VAL:HG13	1:36:B:ILE:HD12	15	0.78
(3,1560)	1:41:B:ASN:HB2	1:40:B:LEU:HB3	17	0.78
(3,1509)	1:48:B:LYS:HD3	1:52:B:HIS:HE1	8	0.78
(3,1485)	1:50:B:ILE:HG21	1:49:B:GLN:H	2	0.78
(3,1472)	1:50:B:ILE:HD12	1:51:B:ILE:HA	6	0.78
(3,1472)	1:50:B:ILE:HD11	1:51:B:ILE:HA	14	0.78
(3,1472)	1:50:B:ILE:HD11	1:51:B:ILE:HA	17	0.78
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	5	0.78
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG22	7	0.78
(3,1340)	1:57:B:MET:HE3	1:60:B:ALA:H	3	0.78
(3,1340)	1:57:B:MET:HE2	1:60:B:ALA:H	18	0.78
(3,1322)	1:37:B:LEU:HD23	1:48:B:LYS:H	12	0.78
(3,1297)	1:42:B:THR:HG23	1:40:B:LEU:HG	20	0.78
(3,1296)	1:60:B:ALA:HB1	1:54:B:LEU:HB2	3	0.78
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	14	0.78
(3,1276)	1:63:B:VAL:HG21	1:66:B:PHE:HZ	11	0.78
(3,1262)	1:65:B:ASP:HB3	1:63:B:VAL:HA	11	0.78
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	17	0.78
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	1	0.78
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	6	0.78
(3,1214)	1:73:B:ILE:HG12	1:72:B:HIS:HB3	7	0.78
(3,1189)	1:73:B:ILE:HG22	1:113:B:ARG:HB3	14	0.78
(3,1188)	1:73:B:ILE:HG21	1:109:B:ARG:HD3	7	0.78
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG11	1	0.78
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG13	13	0.78
(3,1108)	1:82:B:LEU:HD11	1:82:B:LEU:H	17	0.78
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	1	0.78
(3,1005)	1:19:B:GLU:HG3	1:18:B:ARG:H	1	0.78
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD11	12	0.78
(3,957)	1:93:B:ASP:HB3	1:92:B:ARG:HB2	14	0.78
(3,897)	1:98:B:LEU:HD23	1:101:B:ILE:HB	4	0.78
(3,895)	1:98:B:LEU:HD21	1:102:B:MET:HG3	7	0.78
(3,852)	1:114:B:ILE:HG22	1:88:B:PHE:H	3	0.78
(3,852)	1:114:B:ILE:HG23	1:88:B:PHE:H	9	0.78
(3,750)	1:114:B:ILE:HG22	1:118:B:LEU:HD21	18	0.78
(3,745)	1:114:B:ILE:HD13	1:115:B:VAL:HA	7	0.78
(3,734)	1:114:B:ILE:HG22	1:115:B:VAL:HB	16	0.78
(3,719)	1:27:B:VAL:HG13	1:30:B:GLN:HE22	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,693)	1:33:B:VAL:HG21	1:37:B:LEU:HG	10	0.78
(3,674)	1:7:B:PRO:HB3	1:43:B:VAL:HG11	5	0.78
(3,602)	1:121:B:LEU:HD12	1:85:B:GLN:HG2	4	0.78
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	4	0.78
(3,480)	1:131:B:TYR:HB3	1:133:B:LYS:HD3	7	0.78
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD21	5	0.78
(3,257)	1:116:B:ASP:H	1:127:B:ARG:HG3	5	0.78
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD12	3	0.78
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD12	13	0.78
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG3	9	0.78
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	3	0.78
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	3	0.78
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	3	0.78
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	12	0.78
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	5	0.78
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	5	0.78
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	5	0.78
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	4	0.78
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	4	0.78
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	4	0.78
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	20	0.78
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	20	0.78
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	20	0.78
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	12	0.78
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	12	0.78
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	12	0.78
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	9	0.78
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	11	0.78
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	18	0.78
(1,2302)	1:43:B:VAL:HG21	1:43:B:VAL:H	1	0.78
(1,2302)	1:43:B:VAL:HG22	1:43:B:VAL:H	1	0.78
(1,2302)	1:43:B:VAL:HG23	1:43:B:VAL:H	1	0.78
(1,2178)	1:50:B:ILE:HD11	1:45:B:ARG:HG3	4	0.78
(1,2178)	1:50:B:ILE:HD12	1:45:B:ARG:HG3	4	0.78
(1,2178)	1:50:B:ILE:HD13	1:45:B:ARG:HG3	4	0.78
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	18	0.78
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	18	0.78
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	18	0.78
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	18	0.78
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	18	0.78
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	18	0.78
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	18	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	18	0.78
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	18	0.78
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	17	0.78
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG21	7	0.78
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG22	7	0.78
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG23	7	0.78
(1,1914)	1:64:B:LYS:HD3	1:64:B:LYS:HA	19	0.78
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	7	0.78
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	15	0.78
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	15	0.78
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	15	0.78
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	19	0.78
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	19	0.78
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	19	0.78
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD11	18	0.78
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD12	18	0.78
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD13	18	0.78
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	16	0.78
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	16	0.78
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	16	0.78
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	16	0.78
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	16	0.78
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	16	0.78
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	10	0.78
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	15	0.78
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	15	0.78
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	15	0.78
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	20	0.78
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	20	0.78
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	20	0.78
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	1	0.78
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	1	0.78
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	1	0.78
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	18	0.78
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	18	0.78
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	18	0.78
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	17	0.78
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	17	0.78
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	17	0.78
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	17	0.78
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	17	0.78
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	17	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	17	0.78
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	17	0.78
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	17	0.78
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	11	0.78
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	15	0.78
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	15	0.78
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	15	0.78
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	12	0.78
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	12	0.78
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	12	0.78
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	18	0.78
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	18	0.78
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	18	0.78
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	1	0.78
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	1	0.78
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	1	0.78
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG3	6	0.78
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	15	0.78
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG21	1	0.78
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG22	1	0.78
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG23	1	0.78
(3,1898)	1:88:B:PHE:HE2	1:88:B:PHE:H	10	0.77
(3,1878)	1:118:B:LEU:HD21	1:114:B:ILE:HG23	1	0.77
(3,1851)	1:9:B:TRP:HZ2	1:17:B:LEU:HA	15	0.77
(3,1833)	1:9:B:TRP:HD1	1:49:B:GLN:HB3	11	0.77
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	19	0.77
(3,1771)	1:17:B:LEU:HD23	1:17:B:LEU:HB3	6	0.77
(3,1771)	1:17:B:LEU:HD23	1:17:B:LEU:HB3	11	0.77
(3,1617)	1:36:B:ILE:HA	1:40:B:LEU:HB3	10	0.77
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD11	5	0.77
(3,1576)	1:22:B:LEU:HD11	1:18:B:ARG:HD3	5	0.77
(3,1571)	1:40:B:LEU:HD12	1:54:B:LEU:HD12	15	0.77
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	1	0.77
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	11	0.77
(3,1565)	1:40:B:LEU:HB2	1:45:B:ARG:HD3	14	0.77
(3,1561)	1:131:B:TYR:HB2	1:133:B:LYS:HG2	19	0.77
(3,1560)	1:41:B:ASN:HB2	1:40:B:LEU:HB3	19	0.77
(3,1485)	1:50:B:ILE:HG22	1:49:B:GLN:H	19	0.77
(3,1472)	1:50:B:ILE:HD13	1:51:B:ILE:HA	11	0.77
(3,1423)	1:52:B:HIS:HE1	1:56:B:GLN:HG2	2	0.77
(3,1391)	1:54:B:LEU:HD11	1:33:B:VAL:H	15	0.77
(3,1361)	1:55:B:VAL:HG12	1:52:B:HIS:HB2	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1360)	1:55:B:VAL:HG11	1:63:B:VAL:HB	2	0.77
(3,1338)	1:57:B:MET:HE3	1:57:B:MET:HB3	20	0.77
(3,1303)	1:59:B:LEU:HA	1:54:B:LEU:HD22	1	0.77
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG22	11	0.77
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG22	2	0.77
(3,1188)	1:73:B:ILE:HG22	1:109:B:ARG:HD3	8	0.77
(3,1174)	1:74:B:VAL:HG13	1:75:B:LEU:HG	18	0.77
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG21	17	0.77
(3,1108)	1:82:B:LEU:HD12	1:82:B:LEU:H	4	0.77
(3,1108)	1:82:B:LEU:HD12	1:82:B:LEU:H	13	0.77
(3,1027)	1:88:B:PHE:HA	1:84:B:LEU:HD21	6	0.77
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	19	0.77
(3,998)	1:89:B:GLU:HG3	1:90:B:GLU:HG3	20	0.77
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD11	9	0.77
(3,957)	1:93:B:ASP:HB3	1:92:B:ARG:HB2	17	0.77
(3,956)	1:65:B:ASP:HB2	1:63:B:VAL:HG12	4	0.77
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG12	16	0.77
(3,925)	1:97:B:VAL:HG11	1:118:B:LEU:HD13	2	0.77
(3,809)	1:107:B:ALA:HB2	1:80:B:GLN:HB3	17	0.77
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD21	11	0.77
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD22	15	0.77
(3,745)	1:114:B:ILE:HD12	1:115:B:VAL:HA	20	0.77
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	15	0.77
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD23	11	0.77
(3,658)	1:95:B:ASP:HB2	1:132:B:LYS:HB2	20	0.77
(3,559)	1:84:B:LEU:HD23	1:115:B:VAL:HA	11	0.77
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD23	18	0.77
(3,394)	1:132:B:LYS:HE2	1:132:B:LYS:H	15	0.77
(3,381)	1:37:B:LEU:HG	1:50:B:ILE:HB	4	0.77
(3,325)	1:141:B:SER:H	1:124:B:VAL:HB	15	0.77
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD12	2	0.77
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG23	8	0.77
(3,97)	1:108:B:LYS:H	1:108:B:LYS:HG2	10	0.77
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	3	0.77
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	3	0.77
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	3	0.77
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE3	11	0.77
(1,2552)	1:17:B:LEU:HD13	1:40:B:LEU:HG	3	0.77
(1,2495)	1:25:B:LYS:HG3	1:21:B:TYR:HD1	6	0.77
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	6	0.77
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	6	0.77
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2302)	1:43:B:VAL:HG21	1:43:B:VAL:H	7	0.77
(1,2302)	1:43:B:VAL:HG22	1:43:B:VAL:H	7	0.77
(1,2302)	1:43:B:VAL:HG23	1:43:B:VAL:H	7	0.77
(1,2294)	1:43:B:VAL:HG11	1:44:B:PRO:HD2	3	0.77
(1,2294)	1:43:B:VAL:HG12	1:44:B:PRO:HD2	3	0.77
(1,2294)	1:43:B:VAL:HG13	1:44:B:PRO:HD2	3	0.77
(1,2210)	1:48:B:LYS:HG2	1:49:B:GLN:HG2	4	0.77
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	2	0.77
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	2	0.77
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	2	0.77
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	2	0.77
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	2	0.77
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	2	0.77
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	2	0.77
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	2	0.77
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	2	0.77
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	5	0.77
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	5	0.77
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	5	0.77
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	10	0.77
(1,1809)	1:74:B:VAL:HG11	1:113:B:ARG:HD3	7	0.77
(1,1809)	1:74:B:VAL:HG12	1:113:B:ARG:HD3	7	0.77
(1,1809)	1:74:B:VAL:HG13	1:113:B:ARG:HD3	7	0.77
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	10	0.77
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	10	0.77
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	10	0.77
(1,1644)	1:89:B:GLU:HG3	1:92:B:ARG:HD2	4	0.77
(1,1549)	1:65:B:ASP:HB3	1:64:B:LYS:HB2	12	0.77
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG22	4	0.77
(1,1357)	1:108:B:LYS:HB2	1:105:B:ILE:HG23	13	0.77
(1,1323)	1:109:B:ARG:HB2	1:114:B:ILE:H	3	0.77
(1,1255)	1:47:B:ARG:HB2	1:51:B:ILE:HG21	19	0.77
(1,1255)	1:47:B:ARG:HB2	1:51:B:ILE:HG22	19	0.77
(1,1255)	1:47:B:ARG:HB2	1:51:B:ILE:HG23	19	0.77
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	20	0.77
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	20	0.77
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	20	0.77
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	2	0.77
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	2	0.77
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG3	2	0.77
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	9	0.77
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1868)	1:118:B:LEU:HD13	1:88:B:PHE:H	18	0.76
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE2	16	0.76
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD21	15	0.76
(3,1766)	1:17:B:LEU:HD11	1:17:B:LEU:HA	6	0.76
(3,1752)	1:113:B:ARG:HD3	1:74:B:VAL:HG13	2	0.76
(3,1672)	1:32:B:VAL:HG11	1:37:B:LEU:H	14	0.76
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	15	0.76
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	15	0.76
(3,1486)	1:50:B:ILE:HG23	1:33:B:VAL:H	13	0.76
(3,1485)	1:50:B:ILE:HG23	1:49:B:GLN:H	6	0.76
(3,1485)	1:50:B:ILE:HG21	1:49:B:GLN:H	10	0.76
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	2	0.76
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	16	0.76
(3,1374)	1:54:B:LEU:HD11	1:53:B:HIS:HB2	19	0.76
(3,1361)	1:55:B:VAL:HG11	1:52:B:HIS:HB2	11	0.76
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD12	14	0.76
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	2	0.76
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	16	0.76
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG13	17	0.76
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD22	5	0.76
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	9	0.76
(3,1108)	1:82:B:LEU:HD13	1:82:B:LEU:H	15	0.76
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	2	0.76
(3,1006)	1:19:B:GLU:HG3	1:16:B:HIS:HE1	14	0.76
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD21	8	0.76
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD23	20	0.76
(3,942)	1:97:B:VAL:HG11	1:98:B:LEU:H	8	0.76
(3,885)	1:98:B:LEU:HA	1:97:B:VAL:HG23	11	0.76
(3,811)	1:107:B:ALA:HB1	1:109:B:ARG:HB2	19	0.76
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD23	3	0.76
(3,750)	1:114:B:ILE:HG21	1:118:B:LEU:HD23	4	0.76
(3,725)	1:47:B:ARG:HB3	1:37:B:LEU:HD23	14	0.76
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	7	0.76
(3,619)	1:119:B:LEU:HD12	1:126:B:GLU:HB2	6	0.76
(3,619)	1:119:B:LEU:HD12	1:126:B:GLU:HB2	13	0.76
(3,599)	1:121:B:LEU:HD22	1:121:B:LEU:HA	8	0.76
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD21	15	0.76
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB2	8	0.76
(3,480)	1:131:B:TYR:HB3	1:133:B:LYS:HD3	19	0.76
(3,439)	1:135:B:GLN:HB3	1:136:B:LYS:HG2	4	0.76
(3,401)	1:133:B:LYS:HE2	1:133:B:LYS:HB3	2	0.76
(3,401)	1:133:B:LYS:HE2	1:133:B:LYS:HB2	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,97)	1:108:B:LYS:H	1:108:B:LYS:HG2	14	0.76
(3,73)	1:36:B:ILE:H	1:17:B:LEU:HD23	11	0.76
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD11	4	0.76
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	5	0.76
(1,2760)	1:128:B:ARG:HB3	1:131:B:TYR:HE1	1	0.76
(1,2760)	1:128:B:ARG:HB3	1:131:B:TYR:HE2	1	0.76
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	4	0.76
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	10	0.76
(1,1632)	1:45:B:ARG:HB2	1:48:B:LYS:HE2	8	0.76
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE2	11	0.76
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	20	0.76
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	20	0.76
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	20	0.76
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD21	8	0.76
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD22	8	0.76
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD23	8	0.76
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD21	8	0.76
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD22	8	0.76
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD23	8	0.76
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD21	8	0.76
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD22	8	0.76
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD23	8	0.76
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	1	0.76
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	1	0.76
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	1	0.76
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	19	0.76
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	19	0.76
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	19	0.76
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	19	0.76
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	19	0.76
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	19	0.76
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	19	0.76
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	19	0.76
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	19	0.76
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	10	0.76
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	10	0.76
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	16	0.76
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	16	0.76
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	5	0.76
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	5	0.76
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	5	0.76
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	1	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	1	0.76
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	1	0.76
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD1	14	0.76
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	2	0.76
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	2	0.76
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	2	0.76
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	3	0.76
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	12	0.76
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	8	0.75
(3,1875)	1:118:B:LEU:HD13	1:84:B:LEU:HD11	16	0.75
(3,1860)	1:60:B:ALA:HA	1:54:B:LEU:HB2	7	0.75
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	8	0.75
(3,1792)	1:16:B:HIS:HB3	1:43:B:VAL:HG22	2	0.75
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	20	0.75
(3,1590)	1:39:B:HIS:HD2	1:40:B:LEU:HB2	16	0.75
(3,1576)	1:22:B:LEU:HD11	1:18:B:ARG:HD3	18	0.75
(3,1567)	1:82:B:LEU:HB2	1:81:B:GLU:HA	2	0.75
(3,1485)	1:50:B:ILE:HG23	1:49:B:GLN:H	9	0.75
(3,1485)	1:50:B:ILE:HG23	1:49:B:GLN:H	13	0.75
(3,1472)	1:50:B:ILE:HD12	1:51:B:ILE:HA	7	0.75
(3,1472)	1:50:B:ILE:HD13	1:51:B:ILE:HA	20	0.75
(3,1471)	1:50:B:ILE:HD11	1:42:B:THR:HG21	9	0.75
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	15	0.75
(3,1361)	1:55:B:VAL:HG11	1:52:B:HIS:HB2	18	0.75
(3,1348)	1:30:B:GLN:HG3	1:31:B:ASP:HB3	5	0.75
(3,1338)	1:57:B:MET:HE1	1:57:B:MET:HB3	5	0.75
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG21	7	0.75
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	12	0.75
(3,1137)	1:76:B:TRP:HB2	1:74:B:VAL:HB	18	0.75
(3,1128)	1:72:B:HIS:HB2	1:74:B:VAL:HG11	9	0.75
(3,1074)	1:84:B:LEU:HD11	1:118:B:LEU:HD12	1	0.75
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	8	0.75
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	3	0.75
(3,957)	1:65:B:ASP:HB3	1:51:B:ILE:HG12	8	0.75
(3,933)	1:97:B:VAL:HG11	1:88:B:PHE:HB3	13	0.75
(3,929)	1:97:B:VAL:HG12	1:89:B:GLU:HG3	5	0.75
(3,750)	1:114:B:ILE:HG21	1:118:B:LEU:HD23	20	0.75
(3,731)	1:128:B:ARG:HB2	1:129:B:GLU:HG2	5	0.75
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD21	9	0.75
(3,659)	1:95:B:ASP:HB3	1:132:B:LYS:HD3	19	0.75
(3,619)	1:119:B:LEU:HD13	1:126:B:GLU:HB2	17	0.75
(3,589)	1:84:B:LEU:HD22	1:118:B:LEU:H	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD13	5	0.75
(3,576)	1:122:B:GLY:HA3	1:121:B:LEU:HD13	10	0.75
(3,559)	1:84:B:LEU:HD21	1:115:B:VAL:HA	9	0.75
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	16	0.75
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	14	0.75
(3,451)	1:127:B:ARG:HD3	1:115:B:VAL:HG21	16	0.75
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE1	1	0.75
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD12	20	0.75
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	15	0.75
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	19	0.75
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	19	0.75
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	19	0.75
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD21	11	0.75
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD22	11	0.75
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD23	11	0.75
(1,2556)	1:17:B:LEU:HD21	1:54:B:LEU:HA	10	0.75
(1,2556)	1:17:B:LEU:HD22	1:54:B:LEU:HA	10	0.75
(1,2556)	1:17:B:LEU:HD23	1:54:B:LEU:HA	10	0.75
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	18	0.75
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	20	0.75
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG21	9	0.75
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG22	9	0.75
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG23	9	0.75
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	12	0.75
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	12	0.75
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	12	0.75
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	1	0.75
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	1	0.75
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	1	0.75
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	7	0.75
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HD11	18	0.75
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	8	0.75
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	8	0.75
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	8	0.75
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	17	0.75
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	17	0.75
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	17	0.75
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	20	0.75
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	20	0.75
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	20	0.75
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	13	0.75
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	13	0.75
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG23	5	0.75
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	1	0.75
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	1	0.75
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	1	0.75
(1,1230)	1:115:B:VAL:HG21	1:116:B:ASP:HB2	20	0.75
(1,1230)	1:115:B:VAL:HG22	1:116:B:ASP:HB2	20	0.75
(1,1230)	1:115:B:VAL:HG23	1:116:B:ASP:HB2	20	0.75
(1,1140)	1:121:B:LEU:HD11	1:118:B:LEU:HA	4	0.75
(1,1140)	1:121:B:LEU:HD12	1:118:B:LEU:HA	4	0.75
(1,1140)	1:121:B:LEU:HD13	1:118:B:LEU:HA	4	0.75
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB2	1	0.75
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB2	1	0.75
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB2	1	0.75
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB2	6	0.75
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB2	6	0.75
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB2	6	0.75
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	13	0.75
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG11	5	0.75
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG12	5	0.75
(1,983)	1:130:B:LEU:HD11	1:124:B:VAL:HG13	5	0.75
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG11	5	0.75
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG12	5	0.75
(1,983)	1:130:B:LEU:HD12	1:124:B:VAL:HG13	5	0.75
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG11	5	0.75
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG12	5	0.75
(1,983)	1:130:B:LEU:HD13	1:124:B:VAL:HG13	5	0.75
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	3	0.75
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	3	0.75
(1,879)	1:59:B:LEU:HD22	1:21:B:TYR:HD1	19	0.75
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	12	0.75
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	12	0.75
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	12	0.75
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	17	0.75
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	17	0.75
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	17	0.75
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	3	0.75
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	3	0.75
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	3	0.75
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB1	2	0.75
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB2	2	0.75
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB3	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	7	0.75
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD12	1	0.74
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD13	14	0.74
(3,1800)	1:15:B:ALA:HB3	1:22:B:LEU:HD13	19	0.74
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD23	17	0.74
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	2	0.74
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	11	0.74
(3,1776)	1:17:B:LEU:HD21	1:53:B:HIS:HE1	18	0.74
(3,1773)	1:17:B:LEU:HD13	1:40:B:LEU:H	2	0.74
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG22	11	0.74
(3,1596)	1:38:B:ALA:HB3	1:37:B:LEU:HB2	16	0.74
(3,1581)	1:40:B:LEU:HD13	1:39:B:HIS:H	1	0.74
(3,1551)	1:43:B:VAL:HG23	1:9:B:TRP:HE3	14	0.74
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	16	0.74
(3,1484)	1:50:B:ILE:HG22	1:55:B:VAL:H	2	0.74
(3,1466)	1:50:B:ILE:HD13	1:13:B:GLU:HG2	5	0.74
(3,1435)	1:51:B:ILE:HG23	1:48:B:LYS:HG2	3	0.74
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD2	7	0.74
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG23	13	0.74
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG13	19	0.74
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD23	19	0.74
(3,1303)	1:15:B:ALA:HA	1:54:B:LEU:HD22	10	0.74
(3,1258)	1:66:B:PHE:HB2	1:51:B:ILE:HD11	6	0.74
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	18	0.74
(3,1234)	1:46:B:THR:HG21	1:47:B:ARG:HD3	8	0.74
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG13	11	0.74
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG13	11	0.74
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	17	0.74
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	4	0.74
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	17	0.74
(3,992)	1:19:B:GLU:HG2	1:22:B:LEU:HD12	7	0.74
(3,957)	1:93:B:ASP:HB3	1:92:B:ARG:HB2	19	0.74
(3,933)	1:97:B:VAL:HG11	1:88:B:PHE:HB3	18	0.74
(3,916)	1:37:B:LEU:HD12	1:50:B:ILE:H	10	0.74
(3,866)	1:105:B:ILE:HD12	1:109:B:ARG:HD3	3	0.74
(3,838)	1:102:B:MET:HE3	1:99:B:GLY:HA3	20	0.74
(3,754)	1:44:B:PRO:HG3	1:43:B:VAL:HG22	3	0.74
(3,750)	1:114:B:ILE:HG21	1:118:B:LEU:HD21	12	0.74
(3,747)	1:114:B:ILE:HD13	1:105:B:ILE:HG12	11	0.74
(3,745)	1:114:B:ILE:HD12	1:115:B:VAL:HA	9	0.74
(3,719)	1:27:B:VAL:HG13	1:30:B:GLN:HE22	2	0.74
(3,709)	1:115:B:VAL:HG11	1:119:B:LEU:H	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,674)	1:115:B:VAL:HB	1:118:B:LEU:HD21	11	0.74
(3,674)	1:7:B:PRO:HB3	1:43:B:VAL:HG11	13	0.74
(3,596)	1:20:B:LEU:HD21	1:40:B:LEU:HG	8	0.74
(3,576)	1:122:B:GLY:HA3	1:121:B:LEU:HD12	15	0.74
(3,479)	1:131:B:TYR:HB3	1:128:B:ARG:HB2	1	0.74
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	14	0.74
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	20	0.74
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD12	5	0.74
(3,68)	1:35:B:ALA:H	1:33:B:VAL:HG12	7	0.74
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	10	0.74
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG3	5	0.74
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	13	0.74
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	13	0.74
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	13	0.74
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	10	0.74
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	10	0.74
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	10	0.74
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	15	0.74
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	15	0.74
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	15	0.74
(1,1566)	1:92:B:ARG:HG2	1:93:B:ASP:HB3	12	0.74
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	16	0.74
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	16	0.74
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	16	0.74
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	1	0.74
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	10	0.74
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	10	0.74
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	10	0.74
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	10	0.74
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	10	0.74
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	10	0.74
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	10	0.74
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	10	0.74
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	10	0.74
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	19	0.74
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	19	0.74
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	19	0.74
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	19	0.74
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	19	0.74
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	19	0.74
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	19	0.74
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	19	0.74
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG21	8	0.74
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG11	9	0.74
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG12	9	0.74
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG13	9	0.74
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	11	0.74
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	11	0.74
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	11	0.74
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	1	0.74
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	1	0.74
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	1	0.74
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB2	7	0.74
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB2	7	0.74
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB2	7	0.74
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	7	0.74
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	7	0.74
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	7	0.74
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	18	0.74
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	18	0.74
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	18	0.74
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	6	0.74
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	6	0.74
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	6	0.74
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	12	0.74
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	12	0.74
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	12	0.74
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG2	13	0.74
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	18	0.74
(1,169)	1:30:B:GLN:HE21	1:30:B:GLN:HG2	6	0.74
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	6	0.73
(3,1867)	1:118:B:LEU:HD13	1:124:B:VAL:H	14	0.73
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	7	0.73
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	4	0.73
(3,1821)	1:129:B:GLU:HG3	1:128:B:ARG:HD3	15	0.73
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE3	3	0.73
(3,1802)	1:15:B:ALA:HB2	1:14:B:GLU:HB3	18	0.73
(3,1792)	1:16:B:HIS:HB3	1:43:B:VAL:HG22	8	0.73
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD22	13	0.73
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	4	0.73
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	14	0.73
(3,1764)	1:17:B:LEU:HD11	1:54:B:LEU:HB3	3	0.73
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG23	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	2	0.73
(3,1513)	1:47:B:ARG:HA	1:37:B:LEU:HD21	20	0.73
(3,1486)	1:50:B:ILE:HG22	1:33:B:VAL:H	17	0.73
(3,1391)	1:54:B:LEU:HD12	1:33:B:VAL:H	14	0.73
(3,1383)	1:54:B:LEU:HD23	1:59:B:LEU:HG	10	0.73
(3,1338)	1:57:B:MET:HE2	1:57:B:MET:HB3	8	0.73
(3,1303)	1:15:B:ALA:HA	1:54:B:LEU:HD21	8	0.73
(3,1303)	1:15:B:ALA:HA	1:54:B:LEU:HD22	9	0.73
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	8	0.73
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG12	14	0.73
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD22	2	0.73
(3,1103)	1:19:B:GLU:HG2	1:18:B:ARG:H	7	0.73
(3,1040)	1:111:B:ARG:HD3	1:131:B:TYR:HD1	9	0.73
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	15	0.73
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	18	0.73
(3,1005)	1:89:B:GLU:HG2	1:86:B:ARG:H	2	0.73
(3,863)	1:36:B:ILE:HD11	1:54:B:LEU:HG	15	0.73
(3,731)	1:128:B:ARG:HB3	1:129:B:GLU:HG2	11	0.73
(3,714)	1:97:B:VAL:HG21	1:89:B:GLU:H	11	0.73
(3,619)	1:119:B:LEU:HD12	1:126:B:GLU:HB2	5	0.73
(3,599)	1:121:B:LEU:HD22	1:121:B:LEU:HA	20	0.73
(3,533)	1:126:B:GLU:HG3	1:128:B:ARG:HG2	13	0.73
(3,479)	1:131:B:TYR:HB3	1:132:B:LYS:HB2	14	0.73
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG3	16	0.73
(3,401)	1:133:B:LYS:HE2	1:133:B:LYS:HB3	10	0.73
(3,381)	1:37:B:LEU:HG	1:50:B:ILE:HB	14	0.73
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD2	7	0.73
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD13	20	0.73
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	9	0.73
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	15	0.73
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	15	0.73
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	15	0.73
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	12	0.73
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	12	0.73
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	12	0.73
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD1	4	0.73
(1,2466)	1:34:B:GLU:HG3	1:66:B:PHE:HD2	4	0.73
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	12	0.73
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	5	0.73
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	5	0.73
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	5	0.73
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:48:B:LYS:HG2	1:49:B:GLN:HG2	5	0.73
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG21	8	0.73
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG22	8	0.73
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG23	8	0.73
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	1	0.73
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	12	0.73
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	12	0.73
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	12	0.73
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	4	0.73
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	4	0.73
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	4	0.73
(1,1632)	1:45:B:ARG:HB3	1:48:B:LYS:HE2	16	0.73
(1,1577)	1:92:B:ARG:HB3	1:97:B:VAL:HB	5	0.73
(1,1558)	1:92:B:ARG:HD2	1:89:B:GLU:HB2	3	0.73
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	18	0.73
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	18	0.73
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	18	0.73
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	12	0.73
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	12	0.73
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	12	0.73
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	4	0.73
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	4	0.73
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	4	0.73
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	3	0.73
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	3	0.73
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	3	0.73
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	3	0.73
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	3	0.73
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	3	0.73
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	3	0.73
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	3	0.73
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	3	0.73
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	11	0.73
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	11	0.73
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	11	0.73
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	15	0.73
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	15	0.73
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	15	0.73
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	17	0.73
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	14	0.73
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	14	0.73
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	15	0.73
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG22	20	0.73
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD21	17	0.73
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD22	17	0.73
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD23	17	0.73
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	1	0.73
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	13	0.73
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	1	0.72
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	19	0.72
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE1	17	0.72
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG21	20	0.72
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	7	0.72
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD11	6	0.72
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD22	16	0.72
(3,1776)	1:17:B:LEU:HD21	1:19:B:GLU:H	4	0.72
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	5	0.72
(3,1672)	1:32:B:VAL:HG11	1:37:B:LEU:H	9	0.72
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	17	0.72
(3,1546)	1:43:B:VAL:HG12	1:45:B:ARG:HG3	19	0.72
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	10	0.72
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	10	0.72
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	11	0.72
(3,1384)	1:54:B:LEU:HD23	1:60:B:ALA:HB3	13	0.72
(3,1379)	1:54:B:LEU:HD11	1:55:B:VAL:HA	1	0.72
(3,1379)	1:54:B:LEU:HD12	1:55:B:VAL:HA	16	0.72
(3,1360)	1:55:B:VAL:HG11	1:63:B:VAL:HB	12	0.72
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD12	11	0.72
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	11	0.72
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD11	9	0.72
(3,1134)	1:52:B:HIS:HB3	1:48:B:LYS:HG3	5	0.72
(3,1040)	1:111:B:ARG:HD3	1:131:B:TYR:HD1	13	0.72
(3,1027)	1:88:B:PHE:HA	1:123:B:LEU:HB3	18	0.72
(3,907)	1:98:B:LEU:HD11	1:118:B:LEU:HD12	14	0.72
(3,841)	1:102:B:MET:HE2	1:109:B:ARG:HB3	17	0.72
(3,811)	1:107:B:ALA:HB2	1:109:B:ARG:HB2	13	0.72
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG22	7	0.72
(3,619)	1:119:B:LEU:HD11	1:126:B:GLU:HB2	9	0.72
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	19	0.72
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	7	0.72
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	11	0.72
(3,381)	1:37:B:LEU:HG	1:50:B:ILE:HB	3	0.72
(3,368)	1:98:B:LEU:HD12	1:130:B:LEU:HA	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,356)	1:130:B:LEU:HD23	1:88:B:PHE:HE1	10	0.72
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	3	0.72
(1,2619)	1:11:B:PRO:HA	1:14:B:GLU:HB2	7	0.72
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	18	0.72
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	18	0.72
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	18	0.72
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	17	0.72
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	17	0.72
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	17	0.72
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	7	0.72
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	11	0.72
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	11	0.72
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	11	0.72
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	19	0.72
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	19	0.72
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	19	0.72
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	4	0.72
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	17	0.72
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	15	0.72
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	15	0.72
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	15	0.72
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG21	4	0.72
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG22	4	0.72
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG23	4	0.72
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	14	0.72
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	14	0.72
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	14	0.72
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	5	0.72
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	5	0.72
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	5	0.72
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	8	0.72
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	8	0.72
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	8	0.72
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	8	0.72
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	8	0.72
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	8	0.72
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	8	0.72
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	8	0.72
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	8	0.72
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	2	0.72
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	2	0.72
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	7	0.72
(1,1865)	1:71:B:THR:HB	1:73:B:ILE:HG22	18	0.72
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB1	2	0.72
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB2	2	0.72
(1,1862)	1:72:B:HIS:HD2	1:120:B:ALA:HB3	2	0.72
(1,1632)	1:45:B:ARG:HB2	1:48:B:LYS:HE2	17	0.72
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	8	0.72
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	8	0.72
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	8	0.72
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	5	0.72
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	5	0.72
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	5	0.72
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	2	0.72
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	2	0.72
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	2	0.72
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	12	0.72
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	12	0.72
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	12	0.72
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD21	16	0.72
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD22	16	0.72
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD23	16	0.72
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	9	0.72
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	9	0.72
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD11	8	0.72
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD12	8	0.72
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD13	8	0.72
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	6	0.72
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	6	0.72
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	6	0.72
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	3	0.72
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	18	0.72
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	20	0.72
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	7	0.72
(1,31)	1:9:B:TRP:H	1:9:B:TRP:HD1	1	0.72
(3,1875)	1:118:B:LEU:HD12	1:123:B:LEU:HB2	7	0.71
(3,1859)	1:8:B:THR:HG21	1:9:B:TRP:HE1	16	0.71
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	9	0.71
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD21	14	0.71
(3,1683)	1:86:B:ARG:HB3	1:90:B:GLU:HB3	1	0.71
(3,1673)	1:32:B:VAL:HB	1:24:B:ASN:H	11	0.71
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	6	0.71
(3,1672)	1:32:B:VAL:HG11	1:37:B:LEU:H	16	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1671)	1:32:B:VAL:HG12	1:66:B:PHE:H	1	0.71
(3,1645)	1:34:B:GLU:HG2	1:37:B:LEU:HD11	3	0.71
(3,1645)	1:89:B:GLU:HG2	1:123:B:LEU:HD11	11	0.71
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	12	0.71
(3,1576)	1:22:B:LEU:HD13	1:18:B:ARG:HD3	2	0.71
(3,1576)	1:22:B:LEU:HD12	1:18:B:ARG:HD3	9	0.71
(3,1576)	1:40:B:LEU:HD12	1:16:B:HIS:HB3	10	0.71
(3,1572)	1:40:B:LEU:HD13	1:20:B:LEU:HD22	1	0.71
(3,1571)	1:22:B:LEU:HD12	1:54:B:LEU:HD23	12	0.71
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	10	0.71
(3,1550)	1:43:B:VAL:HG21	1:42:B:THR:HA	3	0.71
(3,1528)	1:46:B:THR:HB	1:45:B:ARG:HG2	5	0.71
(3,1485)	1:50:B:ILE:HG21	1:49:B:GLN:H	5	0.71
(3,1485)	1:50:B:ILE:HG22	1:49:B:GLN:H	17	0.71
(3,1484)	1:50:B:ILE:HG22	1:55:B:VAL:H	17	0.71
(3,1484)	1:50:B:ILE:HG22	1:55:B:VAL:H	19	0.71
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	11	0.71
(3,1440)	1:51:B:ILE:HD13	1:67:B:GLN:HB3	7	0.71
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	18	0.71
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	9	0.71
(3,1348)	1:30:B:GLN:HG3	1:31:B:ASP:HB3	7	0.71
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	2	0.71
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD12	4	0.71
(3,1303)	1:15:B:ALA:HA	1:54:B:LEU:HD22	18	0.71
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	16	0.71
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB2	19	0.71
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD12	5	0.71
(3,1167)	1:75:B:LEU:HA	1:75:B:LEU:HD22	1	0.71
(3,1143)	1:76:B:TRP:HD1	1:75:B:LEU:HG	12	0.71
(3,1088)	1:80:B:GLN:HA	1:84:B:LEU:HD22	5	0.71
(3,1064)	1:85:B:GLN:HG2	1:121:B:LEU:HB3	16	0.71
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	5	0.71
(3,1006)	1:19:B:GLU:HG3	1:16:B:HIS:HE1	16	0.71
(3,897)	1:98:B:LEU:HD23	1:118:B:LEU:HB2	15	0.71
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG13	15	0.71
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD22	5	0.71
(3,745)	1:114:B:ILE:HD12	1:115:B:VAL:HA	1	0.71
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD13	16	0.71
(3,631)	1:119:B:LEU:HD13	1:128:B:ARG:H	8	0.71
(3,439)	1:135:B:GLN:HB3	1:136:B:LYS:HG3	16	0.71
(3,394)	1:132:B:LYS:HE3	1:132:B:LYS:H	19	0.71
(3,378)	1:40:B:LEU:HD11	1:16:B:HIS:HB3	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,357)	1:98:B:LEU:HD13	1:114:B:ILE:H	2	0.71
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG21	5	0.71
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG21	15	0.71
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	14	0.71
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	16	0.71
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE3	1	0.71
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	4	0.71
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	19	0.71
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	19	0.71
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	19	0.71
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	4	0.71
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	4	0.71
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	4	0.71
(1,2210)	1:48:B:LYS:HG2	1:49:B:GLN:HG2	13	0.71
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	6	0.71
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	6	0.71
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	6	0.71
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	9	0.71
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	9	0.71
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	9	0.71
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	9	0.71
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	9	0.71
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	9	0.71
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	9	0.71
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	9	0.71
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	9	0.71
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	8	0.71
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	4	0.71
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	4	0.71
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	4	0.71
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	9	0.71
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	9	0.71
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	9	0.71
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	2	0.71
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	2	0.71
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	2	0.71
(1,1524)	1:33:B:VAL:HG21	1:51:B:ILE:HA	12	0.71
(1,1524)	1:33:B:VAL:HG22	1:51:B:ILE:HA	12	0.71
(1,1524)	1:33:B:VAL:HG23	1:51:B:ILE:HA	12	0.71
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	2	0.71
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	2	0.71
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	17	0.71
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	17	0.71
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	17	0.71
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	19	0.71
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	19	0.71
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	19	0.71
(1,1286)	1:114:B:ILE:HD11	1:109:B:ARG:HD2	9	0.71
(1,1286)	1:114:B:ILE:HD12	1:109:B:ARG:HD2	9	0.71
(1,1286)	1:114:B:ILE:HD13	1:109:B:ARG:HD2	9	0.71
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	2	0.71
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	2	0.71
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	2	0.71
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG3	10	0.71
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG3	10	0.71
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG3	10	0.71
(1,1138)	1:121:B:LEU:HD13	1:85:B:GLN:HB2	7	0.71
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD3	8	0.71
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	2	0.71
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	2	0.71
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	2	0.71
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	13	0.71
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	13	0.71
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	13	0.71
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	3	0.71
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	3	0.71
(1,929)	1:67:B:GLN:HG3	1:51:B:ILE:HG12	14	0.71
(1,879)	1:59:B:LEU:HD22	1:21:B:TYR:HD1	20	0.71
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	7	0.71
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	7	0.71
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	7	0.71
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	20	0.71
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	20	0.71
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	20	0.71
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG3	11	0.71
(1,390)	1:61:B:ASP:H	1:65:B:ASP:HB3	11	0.71
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	3	0.71
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG11	6	0.71
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG12	6	0.71
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG13	6	0.71
(1,169)	1:30:B:GLN:HE21	1:30:B:GLN:HG2	4	0.71
(3,1887)	1:87:B:LEU:HD21	1:83:B:GLU:HG3	12	0.7
(3,1868)	1:118:B:LEU:HD13	1:88:B:PHE:H	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1790)	1:16:B:HIS:HB3	1:40:B:LEU:HB2	16	0.7
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	7	0.7
(3,1686)	1:74:B:VAL:HG12	1:75:B:LEU:HA	6	0.7
(3,1686)	1:74:B:VAL:HG11	1:75:B:LEU:HA	12	0.7
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	5	0.7
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	5	0.7
(3,1622)	1:36:B:ILE:HG21	1:37:B:LEU:HG	5	0.7
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD11	8	0.7
(3,1592)	1:38:B:ALA:HA	1:40:B:LEU:HD21	16	0.7
(3,1579)	1:40:B:LEU:HD12	1:9:B:TRP:HE3	17	0.7
(3,1572)	1:40:B:LEU:HD11	1:20:B:LEU:HD22	17	0.7
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	8	0.7
(3,1485)	1:50:B:ILE:HG22	1:49:B:GLN:H	7	0.7
(3,1472)	1:50:B:ILE:HD12	1:51:B:ILE:HA	8	0.7
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD2	13	0.7
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG13	13	0.7
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD11	3	0.7
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD13	13	0.7
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG13	19	0.7
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	2	0.7
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG13	18	0.7
(3,1185)	1:73:B:ILE:HD12	1:109:B:ARG:HD3	10	0.7
(3,1178)	1:27:B:VAL:HG22	1:30:B:GLN:HE21	8	0.7
(3,1167)	1:40:B:LEU:HA	1:40:B:LEU:HD22	11	0.7
(3,1160)	1:72:B:HIS:HB2	1:74:B:VAL:H	2	0.7
(3,1120)	1:79:B:ASP:HA	1:82:B:LEU:HB3	10	0.7
(3,1040)	1:127:B:ARG:HD3	1:131:B:TYR:HD1	1	0.7
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	7	0.7
(3,1006)	1:19:B:GLU:HG3	1:18:B:ARG:H	9	0.7
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	14	0.7
(3,957)	1:93:B:ASP:HB3	1:92:B:ARG:HB2	12	0.7
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG11	5	0.7
(3,934)	1:97:B:VAL:HG23	1:118:B:LEU:HD12	5	0.7
(3,911)	1:37:B:LEU:HD13	1:67:B:GLN:HE22	9	0.7
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG11	5	0.7
(3,863)	1:36:B:ILE:HD13	1:54:B:LEU:HG	18	0.7
(3,807)	1:107:B:ALA:HB3	1:74:B:VAL:HG11	16	0.7
(3,693)	1:33:B:VAL:HG21	1:37:B:LEU:HG	6	0.7
(3,691)	1:22:B:LEU:HD21	1:21:B:TYR:HB3	11	0.7
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG21	9	0.7
(3,631)	1:119:B:LEU:HD12	1:128:B:ARG:H	13	0.7
(3,619)	1:119:B:LEU:HD11	1:126:B:GLU:HB2	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,599)	1:121:B:LEU:HD21	1:121:B:LEU:HA	4	0.7
(3,599)	1:121:B:LEU:HD22	1:121:B:LEU:HA	7	0.7
(3,599)	1:121:B:LEU:HD21	1:121:B:LEU:HA	15	0.7
(3,585)	1:121:B:LEU:HD12	1:81:B:GLU:H	8	0.7
(3,553)	1:124:B:VAL:HG13	1:128:B:ARG:H	4	0.7
(3,533)	1:126:B:GLU:HG3	1:128:B:ARG:HG2	7	0.7
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD21	20	0.7
(3,493)	1:130:B:LEU:HD12	1:128:B:ARG:HA	16	0.7
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG3	6	0.7
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	13	0.7
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	2	0.7
(3,338)	1:3:B:SER:HB3	1:4:B:ARG:HG2	18	0.7
(3,257)	1:116:B:ASP:H	1:127:B:ARG:HG3	19	0.7
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	9	0.7
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	9	0.7
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	9	0.7
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD11	6	0.7
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD12	6	0.7
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD13	6	0.7
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	20	0.7
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	6	0.7
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	13	0.7
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	13	0.7
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	13	0.7
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	5	0.7
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	8	0.7
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	20	0.7
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	6	0.7
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	6	0.7
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	6	0.7
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	20	0.7
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	20	0.7
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	20	0.7
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG2	20	0.7
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG2	20	0.7
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG2	20	0.7
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	15	0.7
(1,1695)	1:127:B:ARG:HD2	1:116:B:ASP:H	12	0.7
(1,1691)	1:20:B:LEU:HD11	1:36:B:ILE:HG12	16	0.7
(1,1691)	1:20:B:LEU:HD12	1:36:B:ILE:HG12	16	0.7
(1,1691)	1:20:B:LEU:HD13	1:36:B:ILE:HG12	16	0.7
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	8	0.7
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	8	0.7
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG21	18	0.7
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG22	18	0.7
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG23	18	0.7
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	5	0.7
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	5	0.7
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	5	0.7
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG11	20	0.7
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG12	20	0.7
(1,1188)	1:119:B:LEU:HB2	1:124:B:VAL:HG13	20	0.7
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	4	0.7
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	4	0.7
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	4	0.7
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	14	0.7
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	14	0.7
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	2	0.7
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	2	0.7
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	2	0.7
(1,879)	1:59:B:LEU:HD22	1:21:B:TYR:HD2	13	0.7
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	1	0.7
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	1	0.7
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	1	0.7
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	17	0.7
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	17	0.7
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	17	0.7
(1,816)	1:138:B:LEU:H	1:138:B:LEU:HB3	7	0.7
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG3	20	0.7
(1,357)	1:56:B:GLN:HE21	1:56:B:GLN:HG3	19	0.7
(1,13)	1:6:B:ALA:H	1:8:B:THR:HA	18	0.7
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	6	0.69
(3,1776)	1:17:B:LEU:HD22	1:53:B:HIS:HE1	16	0.69
(3,1686)	1:74:B:VAL:HG13	1:75:B:LEU:HA	8	0.69
(3,1686)	1:74:B:VAL:HG11	1:107:B:ALA:HA	16	0.69
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	15	0.69
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	5	0.69
(3,1560)	1:41:B:ASN:HB2	1:40:B:LEU:HB3	4	0.69
(3,1486)	1:50:B:ILE:HG23	1:34:B:GLU:H	18	0.69
(3,1454)	1:51:B:ILE:HD11	1:49:B:GLN:H	13	0.69
(3,1453)	1:51:B:ILE:HD11	1:33:B:VAL:H	17	0.69
(3,1434)	1:51:B:ILE:HG23	1:47:B:ARG:HB3	16	0.69
(3,1433)	1:51:B:ILE:HG23	1:55:B:VAL:HG12	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1379)	1:54:B:LEU:HD13	1:52:B:HIS:HA	18	0.69
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	11	0.69
(3,1188)	1:73:B:ILE:HG22	1:109:B:ARG:HD3	14	0.69
(3,1186)	1:73:B:ILE:HD11	1:74:B:VAL:HB	11	0.69
(3,1178)	1:27:B:VAL:HG23	1:30:B:GLN:HE21	20	0.69
(3,1103)	1:19:B:GLU:HG2	1:18:B:ARG:H	9	0.69
(3,1099)	1:83:B:GLU:HG3	1:105:B:ILE:HG12	10	0.69
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD22	2	0.69
(3,902)	1:98:B:LEU:HD21	1:115:B:VAL:HG11	19	0.69
(3,897)	1:98:B:LEU:HD23	1:101:B:ILE:HB	1	0.69
(3,863)	1:36:B:ILE:HD11	1:54:B:LEU:HG	8	0.69
(3,852)	1:114:B:ILE:HG21	1:88:B:PHE:H	11	0.69
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB2	2	0.69
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG11	16	0.69
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG23	19	0.69
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG23	20	0.69
(3,677)	1:115:B:VAL:HB	1:119:B:LEU:HD21	12	0.69
(3,599)	1:121:B:LEU:HD21	1:121:B:LEU:HA	19	0.69
(3,596)	1:84:B:LEU:HD23	1:114:B:ILE:HG13	5	0.69
(3,585)	1:121:B:LEU:HD11	1:81:B:GLU:H	18	0.69
(3,553)	1:124:B:VAL:HG11	1:128:B:ARG:H	8	0.69
(3,553)	1:124:B:VAL:HG11	1:128:B:ARG:H	11	0.69
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	12	0.69
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD21	11	0.69
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	9	0.69
(3,502)	1:129:B:GLU:HB3	1:130:B:LEU:HB3	9	0.69
(3,470)	1:25:B:LYS:HE3	1:26:B:ASP:H	16	0.69
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD21	14	0.69
(3,305)	1:129:B:GLU:H	1:133:B:LYS:HG3	4	0.69
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD11	16	0.69
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG21	11	0.69
(3,86)	1:47:B:ARG:H	1:50:B:ILE:HD13	12	0.69
(2,33)	1:74:B:VAL:HG21	1:114:B:ILE:HG12	1	0.69
(2,33)	1:74:B:VAL:HG22	1:114:B:ILE:HG12	1	0.69
(2,33)	1:74:B:VAL:HG23	1:114:B:ILE:HG12	1	0.69
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	4	0.69
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	2	0.69
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	13	0.69
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE3	4	0.69
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	18	0.69
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	2	0.69
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	15	0.69
(1,2278)	1:43:B:VAL:HG21	1:45:B:ARG:HB2	20	0.69
(1,2278)	1:43:B:VAL:HG22	1:45:B:ARG:HB2	20	0.69
(1,2278)	1:43:B:VAL:HG23	1:45:B:ARG:HB2	20	0.69
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	7	0.69
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	7	0.69
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	7	0.69
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	9	0.69
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	9	0.69
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	9	0.69
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	11	0.69
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	11	0.69
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	11	0.69
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG21	9	0.69
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG22	9	0.69
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG23	9	0.69
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	15	0.69
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	15	0.69
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	15	0.69
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB1	19	0.69
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB2	19	0.69
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB3	19	0.69
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	7	0.69
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	7	0.69
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	7	0.69
(1,1684)	1:20:B:LEU:HD11	1:24:B:ASN:HD22	6	0.69
(1,1684)	1:20:B:LEU:HD12	1:24:B:ASN:HD22	6	0.69
(1,1684)	1:20:B:LEU:HD13	1:24:B:ASN:HD22	6	0.69
(1,1603)	1:66:B:PHE:HE1	1:65:B:ASP:HB3	12	0.69
(1,1603)	1:66:B:PHE:HE2	1:65:B:ASP:HB3	12	0.69
(1,1572)	1:133:B:LYS:HG2	1:134:B:ARG:HD2	15	0.69
(1,1522)	1:97:B:VAL:HG21	1:92:B:ARG:HB2	11	0.69
(1,1522)	1:97:B:VAL:HG22	1:92:B:ARG:HB2	11	0.69
(1,1522)	1:97:B:VAL:HG23	1:92:B:ARG:HB2	11	0.69
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	15	0.69
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	15	0.69
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	15	0.69
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	15	0.69
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	15	0.69
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	15	0.69
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	12	0.69
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	12	0.69
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	19	0.69
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	19	0.69
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	19	0.69
(1,1138)	1:121:B:LEU:HD13	1:85:B:GLN:HB2	1	0.69
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB2	5	0.69
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB2	5	0.69
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB2	5	0.69
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	19	0.69
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	19	0.69
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	19	0.69
(1,897)	1:33:B:VAL:HG11	1:51:B:ILE:HA	8	0.69
(1,897)	1:33:B:VAL:HG12	1:51:B:ILE:HA	8	0.69
(1,897)	1:33:B:VAL:HG13	1:51:B:ILE:HA	8	0.69
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD1	9	0.69
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD2	9	0.69
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD1	9	0.69
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD2	9	0.69
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD1	9	0.69
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD2	9	0.69
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	4	0.69
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	4	0.69
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	4	0.69
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	15	0.69
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	15	0.69
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	15	0.69
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	19	0.69
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	19	0.69
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	19	0.69
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG2	7	0.69
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	5	0.69
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	4	0.69
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	7	0.69
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	18	0.69
(1,415)	1:65:B:ASP:H	1:64:B:LYS:HB2	7	0.69
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	5	0.69
(1,312)	1:50:B:ILE:H	1:17:B:LEU:HD11	6	0.69
(1,312)	1:50:B:ILE:H	1:17:B:LEU:HD12	6	0.69
(1,312)	1:50:B:ILE:H	1:17:B:LEU:HD13	6	0.69
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	12	0.68
(3,1859)	1:8:B:THR:HG22	1:9:B:TRP:HE1	3	0.68
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG22	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	14	0.68
(3,1794)	1:16:B:HIS:HD2	1:40:B:LEU:HB2	15	0.68
(3,1794)	1:16:B:HIS:HD2	1:40:B:LEU:HB2	19	0.68
(3,1776)	1:17:B:LEU:HD22	1:53:B:HIS:HE1	15	0.68
(3,1773)	1:17:B:LEU:HD11	1:40:B:LEU:H	19	0.68
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	19	0.68
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG22	17	0.68
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	18	0.68
(3,1665)	1:32:B:VAL:HG11	1:37:B:LEU:HG	14	0.68
(3,1664)	1:32:B:VAL:HG11	1:37:B:LEU:HG	14	0.68
(3,1591)	1:39:B:HIS:HD2	1:40:B:LEU:HD22	7	0.68
(3,1579)	1:40:B:LEU:HD12	1:9:B:TRP:HE3	13	0.68
(3,1579)	1:40:B:LEU:HD12	1:9:B:TRP:HE3	18	0.68
(3,1576)	1:22:B:LEU:HD12	1:18:B:ARG:HD3	3	0.68
(3,1560)	1:41:B:ASN:HB2	1:40:B:LEU:HB3	15	0.68
(3,1485)	1:50:B:ILE:HG22	1:49:B:GLN:H	18	0.68
(3,1441)	1:51:B:ILE:HD13	1:47:B:ARG:HB2	8	0.68
(3,1440)	1:51:B:ILE:HD12	1:67:B:GLN:HB3	17	0.68
(3,1435)	1:51:B:ILE:HG23	1:48:B:LYS:HG2	17	0.68
(3,1423)	1:52:B:HIS:HE1	1:56:B:GLN:HG2	16	0.68
(3,1411)	1:53:B:HIS:HA	1:9:B:TRP:HZ2	3	0.68
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD2	5	0.68
(3,1379)	1:54:B:LEU:HD13	1:55:B:VAL:HA	20	0.68
(3,1374)	1:54:B:LEU:HD12	1:53:B:HIS:HB2	11	0.68
(3,1340)	1:57:B:MET:HE1	1:60:B:ALA:H	17	0.68
(3,1322)	1:37:B:LEU:HD22	1:48:B:LYS:H	6	0.68
(3,1261)	1:65:B:ASP:HB3	1:63:B:VAL:HG13	8	0.68
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG13	4	0.68
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD2	2	0.68
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG13	12	0.68
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG13	12	0.68
(3,1186)	1:73:B:ILE:HD13	1:74:B:VAL:HB	17	0.68
(3,1178)	1:27:B:VAL:HG23	1:30:B:GLN:HE21	9	0.68
(3,1134)	1:52:B:HIS:HB3	1:48:B:LYS:HG3	16	0.68
(3,1108)	1:82:B:LEU:HD12	1:82:B:LEU:H	1	0.68
(3,842)	1:102:B:MET:HE2	1:114:B:ILE:HD11	17	0.68
(3,838)	1:102:B:MET:HE2	1:99:B:GLY:HA3	14	0.68
(3,809)	1:107:B:ALA:HB1	1:80:B:GLN:HB3	9	0.68
(3,807)	1:107:B:ALA:HB3	1:74:B:VAL:HG12	10	0.68
(3,750)	1:114:B:ILE:HG21	1:118:B:LEU:HD23	13	0.68
(3,745)	1:114:B:ILE:HD13	1:115:B:VAL:HA	16	0.68
(3,609)	1:112:B:ALA:HB1	1:113:B:ARG:HB2	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,599)	1:121:B:LEU:HD22	1:121:B:LEU:HA	16	0.68
(3,553)	1:124:B:VAL:HG11	1:128:B:ARG:H	7	0.68
(3,553)	1:124:B:VAL:HG12	1:128:B:ARG:H	18	0.68
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	12	0.68
(3,470)	1:25:B:LYS:HE3	1:26:B:ASP:H	4	0.68
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG2	15	0.68
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD23	1	0.68
(3,394)	1:132:B:LYS:HE2	1:132:B:LYS:H	5	0.68
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE2	8	0.68
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG23	13	0.68
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD11	10	0.68
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	13	0.68
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	13	0.68
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	13	0.68
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE2	11	0.68
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	9	0.68
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	9	0.68
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	9	0.68
(1,2568)	1:17:B:LEU:HD21	1:9:B:TRP:HZ2	19	0.68
(1,2568)	1:17:B:LEU:HD22	1:9:B:TRP:HZ2	19	0.68
(1,2568)	1:17:B:LEU:HD23	1:9:B:TRP:HZ2	19	0.68
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	7	0.68
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	10	0.68
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	2	0.68
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	2	0.68
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	2	0.68
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	15	0.68
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	15	0.68
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	15	0.68
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	15	0.68
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	15	0.68
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	15	0.68
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	15	0.68
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	15	0.68
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	15	0.68
(1,1945)	1:62:B:SER:HB3	1:64:B:LYS:HE3	5	0.68
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	4	0.68
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	18	0.68
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	18	0.68
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	18	0.68
(1,1808)	1:74:B:VAL:HG13	1:75:B:LEU:HG	9	0.68
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	17	0.68
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	17	0.68
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	18	0.68
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	18	0.68
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	18	0.68
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	1	0.68
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	1	0.68
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	1	0.68
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	1	0.68
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	1	0.68
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	1	0.68
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	1	0.68
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	1	0.68
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	1	0.68
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	14	0.68
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	14	0.68
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	14	0.68
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	14	0.68
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	14	0.68
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	14	0.68
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	14	0.68
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	14	0.68
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	14	0.68
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	8	0.68
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	8	0.68
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	8	0.68
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	14	0.68
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	14	0.68
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	14	0.68
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	13	0.68
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	13	0.68
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	13	0.68
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	19	0.68
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	19	0.68
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	19	0.68
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	19	0.68
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	19	0.68
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	19	0.68
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	9	0.68
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	9	0.68
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	9	0.68
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	9	0.68
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	9	0.68
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	9	0.68
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	9	0.68
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	9	0.68
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	11	0.68
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	11	0.68
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	11	0.68
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG11	13	0.68
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG12	13	0.68
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG13	13	0.68
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG11	13	0.68
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG12	13	0.68
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG13	13	0.68
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	7	0.68
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	7	0.68
(1,899)	1:138:B:LEU:HD11	1:136:B:LYS:HE3	10	0.68
(1,899)	1:138:B:LEU:HD12	1:136:B:LYS:HE3	10	0.68
(1,899)	1:138:B:LEU:HD13	1:136:B:LYS:HE3	10	0.68
(1,897)	1:33:B:VAL:HG11	1:51:B:ILE:HA	5	0.68
(1,897)	1:33:B:VAL:HG12	1:51:B:ILE:HA	5	0.68
(1,897)	1:33:B:VAL:HG13	1:51:B:ILE:HA	5	0.68
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	16	0.68
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	16	0.68
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	16	0.68
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	5	0.68
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	20	0.68
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG21	11	0.68
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG22	11	0.68
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG23	11	0.68
(3,1868)	1:118:B:LEU:HD12	1:88:B:PHE:H	20	0.67
(3,1860)	1:60:B:ALA:HA	1:54:B:LEU:HB2	10	0.67
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	17	0.67
(3,1790)	1:16:B:HIS:HB3	1:40:B:LEU:HB2	10	0.67
(3,1770)	1:17:B:LEU:HD21	1:13:B:GLU:HG2	10	0.67
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	4	0.67
(3,1571)	1:22:B:LEU:HD12	1:54:B:LEU:HD22	16	0.67
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	13	0.67
(3,1486)	1:50:B:ILE:HG22	1:34:B:GLU:H	14	0.67
(3,1474)	1:50:B:ILE:HD11	1:43:B:VAL:H	1	0.67
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	4	0.67
(3,1454)	1:51:B:ILE:HD11	1:49:B:GLN:H	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1391)	1:54:B:LEU:HD12	1:33:B:VAL:H	19	0.67
(3,1361)	1:55:B:VAL:HG11	1:52:B:HIS:HB2	4	0.67
(3,1303)	1:15:B:ALA:HA	1:54:B:LEU:HD23	2	0.67
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG21	19	0.67
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	10	0.67
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	14	0.67
(3,1234)	1:46:B:THR:HG23	1:47:B:ARG:HD3	20	0.67
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD12	12	0.67
(3,1167)	1:40:B:LEU:HA	1:40:B:LEU:HD22	7	0.67
(3,1139)	1:72:B:HIS:HB2	1:73:B:ILE:HG13	2	0.67
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	14	0.67
(3,1128)	1:72:B:HIS:HB2	1:74:B:VAL:HG12	5	0.67
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG21	20	0.67
(3,1027)	1:88:B:PHE:HA	1:84:B:LEU:HD21	9	0.67
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	18	0.67
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	19	0.67
(3,631)	1:119:B:LEU:HD11	1:128:B:ARG:H	1	0.67
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD22	4	0.67
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB1	13	0.67
(3,504)	1:129:B:GLU:HG2	1:125:B:ALA:HB1	18	0.67
(3,493)	1:130:B:LEU:HD13	1:128:B:ARG:HA	4	0.67
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	17	0.67
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG2	3	0.67
(3,401)	1:132:B:LYS:HE2	1:132:B:LYS:HB3	14	0.67
(3,396)	1:25:B:LYS:HE2	1:22:B:LEU:HD21	13	0.67
(3,381)	1:37:B:LEU:HG	1:34:B:GLU:HG3	10	0.67
(3,381)	1:37:B:LEU:HG	1:50:B:ILE:HB	17	0.67
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG12	3	0.67
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD11	9	0.67
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG11	14	0.67
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	1	0.67
(2,18)	1:138:B:LEU:HD11	1:126:B:GLU:HG2	14	0.67
(2,18)	1:138:B:LEU:HD12	1:126:B:GLU:HG2	14	0.67
(2,18)	1:138:B:LEU:HD13	1:126:B:GLU:HG2	14	0.67
(1,2760)	1:128:B:ARG:HB3	1:131:B:TYR:HE1	9	0.67
(1,2760)	1:128:B:ARG:HB3	1:131:B:TYR:HE2	9	0.67
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD11	15	0.67
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD12	15	0.67
(1,2615)	1:124:B:VAL:HA	1:130:B:LEU:HD13	15	0.67
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	13	0.67
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	13	0.67
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	13	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	19	0.67
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	8	0.67
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	8	0.67
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	8	0.67
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	3	0.67
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	18	0.67
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	18	0.67
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	18	0.67
(1,2120)	1:52:B:HIS:HE1	1:56:B:GLN:HG3	19	0.67
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	19	0.67
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	19	0.67
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	19	0.67
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	15	0.67
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	15	0.67
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	15	0.67
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG11	18	0.67
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG12	18	0.67
(1,1913)	1:64:B:LYS:HG2	1:63:B:VAL:HG13	18	0.67
(1,1572)	1:133:B:LYS:HG3	1:134:B:ARG:HD3	6	0.67
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	4	0.67
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	4	0.67
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	4	0.67
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	2	0.67
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	2	0.67
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	2	0.67
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	7	0.67
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	7	0.67
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	7	0.67
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	5	0.67
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	5	0.67
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	5	0.67
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	5	0.67
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	5	0.67
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	5	0.67
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	5	0.67
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	5	0.67
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	5	0.67
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	3	0.67
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	3	0.67
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	3	0.67
(1,1255)	1:47:B:ARG:HB2	1:51:B:ILE:HG21	14	0.67
(1,1255)	1:47:B:ARG:HB2	1:51:B:ILE:HG22	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:47:B:ARG:HB2	1:51:B:ILE:HG23	14	0.67
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	9	0.67
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	9	0.67
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	9	0.67
(1,1171)	1:119:B:LEU:HD21	1:116:B:ASP:HB3	15	0.67
(1,1171)	1:119:B:LEU:HD22	1:116:B:ASP:HB3	15	0.67
(1,1171)	1:119:B:LEU:HD23	1:116:B:ASP:HB3	15	0.67
(1,1127)	1:121:B:LEU:HD11	1:85:B:GLN:HE22	4	0.67
(1,1127)	1:121:B:LEU:HD12	1:85:B:GLN:HE22	4	0.67
(1,1127)	1:121:B:LEU:HD13	1:85:B:GLN:HE22	4	0.67
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	16	0.67
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	16	0.67
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	16	0.67
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	12	0.67
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	12	0.67
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	12	0.67
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	18	0.67
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	18	0.67
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	18	0.67
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG21	13	0.67
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG22	13	0.67
(1,963)	1:131:B:TYR:HD1	1:115:B:VAL:HG23	13	0.67
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG21	13	0.67
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG22	13	0.67
(1,963)	1:131:B:TYR:HD2	1:115:B:VAL:HG23	13	0.67
(1,962)	1:131:B:TYR:HD1	1:115:B:VAL:HG11	8	0.67
(1,962)	1:131:B:TYR:HD1	1:115:B:VAL:HG12	8	0.67
(1,962)	1:131:B:TYR:HD1	1:115:B:VAL:HG13	8	0.67
(1,962)	1:131:B:TYR:HD2	1:115:B:VAL:HG11	8	0.67
(1,962)	1:131:B:TYR:HD2	1:115:B:VAL:HG12	8	0.67
(1,962)	1:131:B:TYR:HD2	1:115:B:VAL:HG13	8	0.67
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	3	0.67
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	3	0.67
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	3	0.67
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	8	0.67
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	8	0.67
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	8	0.67
(1,861)	1:3:B:SER:HB2	1:44:B:PRO:HA	9	0.67
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	10	0.67
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	14	0.67
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	8	0.67
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	8	0.67
(3,1875)	1:118:B:LEU:HD11	1:123:B:LEU:HB2	12	0.66
(3,1875)	1:118:B:LEU:HD13	1:123:B:LEU:HB2	13	0.66
(3,1868)	1:118:B:LEU:HD13	1:88:B:PHE:H	8	0.66
(3,1854)	1:9:B:TRP:HB3	1:16:B:HIS:H	16	0.66
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD12	15	0.66
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	1	0.66
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	15	0.66
(3,1622)	1:36:B:ILE:HG23	1:20:B:LEU:HG	6	0.66
(3,1579)	1:40:B:LEU:HD13	1:9:B:TRP:HE3	12	0.66
(3,1571)	1:40:B:LEU:HD11	1:54:B:LEU:HD12	4	0.66
(3,1570)	1:40:B:LEU:HB3	1:37:B:LEU:HA	6	0.66
(3,1485)	1:50:B:ILE:HG23	1:49:B:GLN:H	3	0.66
(3,1453)	1:51:B:ILE:HD12	1:34:B:GLU:H	19	0.66
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	15	0.66
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	9	0.66
(3,1361)	1:55:B:VAL:HG13	1:52:B:HIS:HB2	14	0.66
(3,1348)	1:30:B:GLN:HG3	1:31:B:ASP:HB3	2	0.66
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD13	5	0.66
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD12	20	0.66
(3,1319)	1:37:B:LEU:HD22	1:66:B:PHE:HE2	15	0.66
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	9	0.66
(3,1246)	1:65:B:ASP:HA	1:55:B:VAL:HG13	10	0.66
(3,999)	1:34:B:GLU:HG2	1:37:B:LEU:HB3	14	0.66
(3,935)	1:97:B:VAL:HG22	1:98:B:LEU:HB3	19	0.66
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	7	0.66
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	13	0.66
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	17	0.66
(3,862)	1:101:B:ILE:HD11	1:98:B:LEU:HB3	8	0.66
(3,860)	1:101:B:ILE:HD13	1:118:B:LEU:HD21	17	0.66
(3,815)	1:106:B:THR:HG22	1:84:B:LEU:H	12	0.66
(3,750)	1:114:B:ILE:HG21	1:118:B:LEU:HD21	7	0.66
(3,750)	1:114:B:ILE:HG21	1:118:B:LEU:HD23	19	0.66
(3,722)	1:27:B:VAL:HG13	1:30:B:GLN:HE21	2	0.66
(3,722)	1:27:B:VAL:HG13	1:30:B:GLN:HE21	19	0.66
(3,699)	1:63:B:VAL:HG12	1:62:B:SER:HA	17	0.66
(3,691)	1:22:B:LEU:HD23	1:21:B:TYR:HB3	10	0.66
(3,691)	1:22:B:LEU:HD22	1:21:B:TYR:HB3	20	0.66
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG21	4	0.66
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG21	8	0.66
(3,635)	1:119:B:LEU:HD12	1:124:B:VAL:H	10	0.66
(3,602)	1:121:B:LEU:HD11	1:85:B:GLN:HG2	9	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,599)	1:121:B:LEU:HD23	1:121:B:LEU:HA	10	0.66
(3,538)	1:125:B:ALA:HB1	1:124:B:VAL:HB	5	0.66
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	5	0.66
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	5	0.66
(3,447)	1:134:B:ARG:HB2	1:135:B:GLN:HG3	2	0.66
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	8	0.66
(3,377)	1:98:B:LEU:HD12	1:111:B:ARG:HD2	17	0.66
(3,357)	1:98:B:LEU:HD11	1:114:B:ILE:H	8	0.66
(3,339)	1:3:B:SER:HB2	1:4:B:ARG:HG2	4	0.66
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG21	15	0.66
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	5	0.66
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	5	0.66
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	5	0.66
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	10	0.66
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	10	0.66
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	10	0.66
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	9	0.66
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	4	0.66
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	4	0.66
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	4	0.66
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	3	0.66
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	1	0.66
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	1	0.66
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	1	0.66
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	10	0.66
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	10	0.66
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	10	0.66
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	9	0.66
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	3	0.66
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	3	0.66
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	3	0.66
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	13	0.66
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	13	0.66
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	13	0.66
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	13	0.66
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	13	0.66
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	13	0.66
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	13	0.66
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	13	0.66
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	13	0.66
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	13	0.66
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	13	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	13	0.66
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	3	0.66
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	3	0.66
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	3	0.66
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	3	0.66
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	18	0.66
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	18	0.66
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	18	0.66
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG2	15	0.66
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG2	15	0.66
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG2	15	0.66
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	1	0.66
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	9	0.66
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	9	0.66
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	9	0.66
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	5	0.66
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	5	0.66
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG3	10	0.66
(1,617)	1:96:B:ASP:H	1:100:B:HIS:HD2	13	0.66
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD21	19	0.66
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD22	19	0.66
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD23	19	0.66
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	9	0.66
(1,403)	1:64:B:LYS:H	1:64:B:LYS:HB2	4	0.66
(1,403)	1:64:B:LYS:H	1:64:B:LYS:HB2	7	0.66
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	17	0.65
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	18	0.65
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE2	7	0.65
(3,1867)	1:118:B:LEU:HD12	1:124:B:VAL:H	17	0.65
(3,1794)	1:16:B:HIS:HD2	1:40:B:LEU:HB2	17	0.65
(3,1673)	1:32:B:VAL:HB	1:66:B:PHE:HD1	5	0.65
(3,1672)	1:32:B:VAL:HG12	1:37:B:LEU:H	3	0.65
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	10	0.65
(3,1670)	1:32:B:VAL:HG22	1:22:B:LEU:H	3	0.65
(3,1645)	1:34:B:GLU:HG2	1:37:B:LEU:HD11	19	0.65
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	2	0.65
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	13	0.65
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	19	0.65
(3,1556)	1:42:B:THR:HA	1:41:B:ASN:HB3	2	0.65
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD13	15	0.65
(3,1519)	1:111:B:ARG:HG2	1:98:B:LEU:HD21	14	0.65
(3,1450)	1:51:B:ILE:HG23	1:66:B:PHE:HE2	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1440)	1:51:B:ILE:HD12	1:67:B:GLN:HB3	14	0.65
(3,1437)	1:51:B:ILE:HG22	1:62:B:SER:HB3	16	0.65
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	19	0.65
(3,1340)	1:57:B:MET:HE1	1:60:B:ALA:H	7	0.65
(3,1340)	1:57:B:MET:HE2	1:60:B:ALA:H	10	0.65
(3,1340)	1:57:B:MET:HE1	1:60:B:ALA:H	12	0.65
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG13	17	0.65
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	8	0.65
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	15	0.65
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD2	17	0.65
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG23	17	0.65
(3,1180)	1:74:B:VAL:HG21	1:76:B:TRP:HZ3	12	0.65
(3,1180)	1:74:B:VAL:HG21	1:76:B:TRP:HZ3	17	0.65
(3,1171)	1:74:B:VAL:HG12	1:76:B:TRP:HE1	16	0.65
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	17	0.65
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG22	11	0.65
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG12	17	0.65
(3,1038)	1:20:B:LEU:HD12	1:19:B:GLU:H	19	0.65
(3,962)	1:48:B:LYS:HG3	1:51:B:ILE:HD13	20	0.65
(3,957)	1:93:B:ASP:HB3	1:92:B:ARG:HB2	20	0.65
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG11	13	0.65
(3,910)	1:98:B:LEU:HD12	1:102:B:MET:HG3	2	0.65
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	3	0.65
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	5	0.65
(3,809)	1:107:B:ALA:HB1	1:80:B:GLN:HB3	10	0.65
(3,714)	1:97:B:VAL:HG22	1:89:B:GLU:H	2	0.65
(3,599)	1:121:B:LEU:HD22	1:121:B:LEU:HA	18	0.65
(3,585)	1:121:B:LEU:HD11	1:81:B:GLU:H	3	0.65
(3,585)	1:121:B:LEU:HD13	1:81:B:GLU:H	7	0.65
(3,553)	1:124:B:VAL:HG12	1:128:B:ARG:H	16	0.65
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD21	13	0.65
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	18	0.65
(3,493)	1:130:B:LEU:HD12	1:128:B:ARG:HA	9	0.65
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	10	0.65
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	3	0.65
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	4	0.65
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	5	0.65
(3,367)	1:98:B:LEU:HD13	1:98:B:LEU:HA	5	0.65
(3,367)	1:98:B:LEU:HD12	1:98:B:LEU:HA	11	0.65
(3,206)	1:91:B:PHE:H	1:97:B:VAL:HG23	13	0.65
(3,186)	1:85:B:GLN:H	1:84:B:LEU:HD13	12	0.65
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG22	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG13	2	0.65
(2,33)	1:74:B:VAL:HG21	1:114:B:ILE:HG12	14	0.65
(2,33)	1:74:B:VAL:HG22	1:114:B:ILE:HG12	14	0.65
(2,33)	1:74:B:VAL:HG23	1:114:B:ILE:HG12	14	0.65
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	14	0.65
(1,2686)	1:6:B:ALA:HB1	1:49:B:GLN:HE21	11	0.65
(1,2686)	1:6:B:ALA:HB2	1:49:B:GLN:HE21	11	0.65
(1,2686)	1:6:B:ALA:HB3	1:49:B:GLN:HE21	11	0.65
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	11	0.65
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	11	0.65
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	11	0.65
(1,2450)	1:61:B:ASP:HB2	1:64:B:LYS:H	5	0.65
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	2	0.65
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	8	0.65
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	10	0.65
(1,2341)	1:40:B:LEU:HD11	1:17:B:LEU:H	8	0.65
(1,2341)	1:40:B:LEU:HD12	1:17:B:LEU:H	8	0.65
(1,2341)	1:40:B:LEU:HD13	1:17:B:LEU:H	8	0.65
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG11	14	0.65
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG12	14	0.65
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG13	14	0.65
(1,2221)	1:46:B:THR:HG21	1:49:B:GLN:HB2	10	0.65
(1,2221)	1:46:B:THR:HG22	1:49:B:GLN:HB2	10	0.65
(1,2221)	1:46:B:THR:HG23	1:49:B:GLN:HB2	10	0.65
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	18	0.65
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	18	0.65
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	18	0.65
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	7	0.65
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	7	0.65
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	7	0.65
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD11	1	0.65
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD12	1	0.65
(1,2027)	1:57:B:MET:HE1	1:59:B:LEU:HD13	1	0.65
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD11	1	0.65
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD12	1	0.65
(1,2027)	1:57:B:MET:HE2	1:59:B:LEU:HD13	1	0.65
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD11	1	0.65
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD12	1	0.65
(1,2027)	1:57:B:MET:HE3	1:59:B:LEU:HD13	1	0.65
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	17	0.65
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	17	0.65
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD2	7	0.65
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	11	0.65
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	11	0.65
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	11	0.65
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	11	0.65
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	11	0.65
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	11	0.65
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	11	0.65
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	11	0.65
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	11	0.65
(1,1930)	1:63:B:VAL:HG21	1:67:B:GLN:HG3	18	0.65
(1,1930)	1:63:B:VAL:HG22	1:67:B:GLN:HG3	18	0.65
(1,1930)	1:63:B:VAL:HG23	1:67:B:GLN:HG3	18	0.65
(1,1882)	1:67:B:GLN:HG3	1:64:B:LYS:HA	12	0.65
(1,1784)	1:76:B:TRP:HZ2	1:109:B:ARG:HG2	9	0.65
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	13	0.65
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	13	0.65
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	13	0.65
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	16	0.65
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	16	0.65
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	16	0.65
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	15	0.65
(1,1357)	1:108:B:LYS:HB2	1:105:B:ILE:HG21	10	0.65
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	17	0.65
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	17	0.65
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	17	0.65
(1,1223)	1:87:B:LEU:HD11	1:87:B:LEU:HA	10	0.65
(1,1223)	1:87:B:LEU:HD12	1:87:B:LEU:HA	10	0.65
(1,1223)	1:87:B:LEU:HD13	1:87:B:LEU:HA	10	0.65
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	15	0.65
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	15	0.65
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	15	0.65
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	15	0.65
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	15	0.65
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	15	0.65
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	15	0.65
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	15	0.65
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	15	0.65
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	20	0.65
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	20	0.65
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	20	0.65
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	20	0.65
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	20	0.65
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	20	0.65
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	20	0.65
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	20	0.65
(1,1074)	1:124:B:VAL:HG11	1:122:B:GLY:HA2	5	0.65
(1,1074)	1:124:B:VAL:HG12	1:122:B:GLY:HA2	5	0.65
(1,1074)	1:124:B:VAL:HG13	1:122:B:GLY:HA2	5	0.65
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	16	0.65
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	16	0.65
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG11	12	0.65
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG12	12	0.65
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG13	12	0.65
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG11	12	0.65
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG12	12	0.65
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG13	12	0.65
(1,897)	1:33:B:VAL:HG11	1:51:B:ILE:HA	9	0.65
(1,897)	1:33:B:VAL:HG12	1:51:B:ILE:HA	9	0.65
(1,897)	1:33:B:VAL:HG13	1:51:B:ILE:HA	9	0.65
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD1	16	0.65
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD2	16	0.65
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD1	16	0.65
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD2	16	0.65
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD1	16	0.65
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD2	16	0.65
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	19	0.65
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	19	0.65
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	19	0.65
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	13	0.65
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	13	0.65
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	13	0.65
(1,816)	1:138:B:LEU:H	1:138:B:LEU:HB3	8	0.65
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	6	0.65
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG3	2	0.65
(1,403)	1:64:B:LYS:H	1:64:B:LYS:HB2	3	0.65
(1,403)	1:64:B:LYS:H	1:64:B:LYS:HB2	12	0.65
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	8	0.65
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	10	0.65
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	10	0.65
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	10	0.65
(3,1898)	1:88:B:PHE:HE2	1:88:B:PHE:H	4	0.64
(3,1894)	1:117:B:LYS:HD3	1:120:B:ALA:H	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE2	10	0.64
(3,1800)	1:15:B:ALA:HB2	1:22:B:LEU:HD11	13	0.64
(3,1776)	1:17:B:LEU:HD23	1:53:B:HIS:HE1	17	0.64
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG23	14	0.64
(3,1672)	1:32:B:VAL:HG11	1:37:B:LEU:H	12	0.64
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	15	0.64
(3,1545)	1:43:B:VAL:HG11	1:7:B:PRO:HB2	20	0.64
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD12	20	0.64
(3,1484)	1:50:B:ILE:HG23	1:55:B:VAL:H	6	0.64
(3,1484)	1:50:B:ILE:HG21	1:55:B:VAL:H	10	0.64
(3,1453)	1:51:B:ILE:HD13	1:33:B:VAL:H	1	0.64
(3,1435)	1:51:B:ILE:HG22	1:32:B:VAL:HG11	12	0.64
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD2	8	0.64
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD21	10	0.64
(3,1361)	1:55:B:VAL:HG13	1:52:B:HIS:HB2	15	0.64
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD12	8	0.64
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD12	15	0.64
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	18	0.64
(3,1234)	1:46:B:THR:HG23	1:47:B:ARG:HD3	16	0.64
(3,1188)	1:73:B:ILE:HG21	1:109:B:ARG:HD3	11	0.64
(3,1187)	1:73:B:ILE:HD12	1:73:B:ILE:HB	13	0.64
(3,1187)	1:73:B:ILE:HD11	1:73:B:ILE:HB	17	0.64
(3,1179)	1:27:B:VAL:HG22	1:24:B:ASN:HD21	2	0.64
(3,1137)	1:76:B:TRP:HB2	1:74:B:VAL:HB	19	0.64
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG22	1	0.64
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG21	14	0.64
(3,933)	1:97:B:VAL:HG13	1:88:B:PHE:HB3	19	0.64
(3,911)	1:37:B:LEU:HD13	1:67:B:GLN:HE22	4	0.64
(3,897)	1:98:B:LEU:HD23	1:101:B:ILE:HB	14	0.64
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	14	0.64
(3,863)	1:36:B:ILE:HD13	1:54:B:LEU:HG	17	0.64
(3,852)	1:114:B:ILE:HG23	1:88:B:PHE:H	7	0.64
(3,852)	1:114:B:ILE:HG21	1:88:B:PHE:H	16	0.64
(3,747)	1:114:B:ILE:HD12	1:105:B:ILE:HG12	16	0.64
(3,725)	1:18:B:ARG:HB2	1:59:B:LEU:HD13	12	0.64
(3,709)	1:115:B:VAL:HG11	1:119:B:LEU:H	10	0.64
(3,691)	1:22:B:LEU:HD22	1:21:B:TYR:HB3	17	0.64
(3,584)	1:121:B:LEU:HD11	1:121:B:LEU:H	4	0.64
(3,562)	1:55:B:VAL:HG21	1:55:B:VAL:HA	8	0.64
(3,562)	1:55:B:VAL:HG22	1:55:B:VAL:HA	12	0.64
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	17	0.64
(3,480)	1:131:B:TYR:HB3	1:133:B:LYS:HD2	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	10	0.64
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	15	0.64
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	19	0.64
(3,381)	1:37:B:LEU:HG	1:50:B:ILE:HB	16	0.64
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	12	0.64
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG21	10	0.64
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD12	20	0.64
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	4	0.64
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	4	0.64
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	4	0.64
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	17	0.64
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	19	0.64
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG21	10	0.64
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG22	10	0.64
(1,2454)	1:30:B:GLN:HA	1:27:B:VAL:HG23	10	0.64
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	10	0.64
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	1	0.64
(1,2335)	1:40:B:LEU:HD13	1:13:B:GLU:HG2	10	0.64
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG11	15	0.64
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG12	15	0.64
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG13	15	0.64
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	3	0.64
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	3	0.64
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	3	0.64
(1,2221)	1:46:B:THR:HG21	1:49:B:GLN:HB2	18	0.64
(1,2221)	1:46:B:THR:HG22	1:49:B:GLN:HB2	18	0.64
(1,2221)	1:46:B:THR:HG23	1:49:B:GLN:HB2	18	0.64
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG21	8	0.64
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG22	8	0.64
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG23	8	0.64
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	3	0.64
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	3	0.64
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	3	0.64
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	9	0.64
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	9	0.64
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	9	0.64
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	2	0.64
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	2	0.64
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	2	0.64
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	2	0.64
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	2	0.64
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	17	0.64
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	17	0.64
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	17	0.64
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	3	0.64
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	3	0.64
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	3	0.64
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	7	0.64
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	7	0.64
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	7	0.64
(1,1230)	1:115:B:VAL:HG21	1:116:B:ASP:HB2	8	0.64
(1,1230)	1:115:B:VAL:HG22	1:116:B:ASP:HB2	8	0.64
(1,1230)	1:115:B:VAL:HG23	1:116:B:ASP:HB2	8	0.64
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG2	20	0.64
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG2	20	0.64
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG2	20	0.64
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	4	0.64
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	4	0.64
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	4	0.64
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	4	0.64
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	4	0.64
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	4	0.64
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	4	0.64
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	4	0.64
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	4	0.64
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	20	0.64
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	20	0.64
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	20	0.64
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD21	16	0.64
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD22	16	0.64
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD23	16	0.64
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	13	0.64
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	13	0.64
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	13	0.64
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG3	11	0.64
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	10	0.64
(3,1907)	1:76:B:TRP:HE3	1:74:B:VAL:HG23	6	0.63
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	4	0.63
(3,1802)	1:15:B:ALA:HB2	1:14:B:GLU:HB3	19	0.63
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD23	9	0.63
(3,1789)	1:16:B:HIS:HB3	1:14:B:GLU:HG3	8	0.63
(3,1682)	1:86:B:ARG:HB2	1:82:B:LEU:HD21	3	0.63
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD12	20	0.63
(3,1576)	1:22:B:LEU:HD11	1:18:B:ARG:HD3	14	0.63
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	5	0.63
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	12	0.63
(3,1484)	1:50:B:ILE:HG22	1:55:B:VAL:H	7	0.63
(3,1484)	1:50:B:ILE:HG22	1:55:B:VAL:H	16	0.63
(3,1453)	1:51:B:ILE:HD11	1:33:B:VAL:H	3	0.63
(3,1453)	1:51:B:ILE:HD11	1:33:B:VAL:H	4	0.63
(3,1453)	1:51:B:ILE:HD12	1:33:B:VAL:H	7	0.63
(3,1453)	1:51:B:ILE:HD11	1:33:B:VAL:H	15	0.63
(3,1453)	1:51:B:ILE:HD12	1:33:B:VAL:H	16	0.63
(3,1379)	1:54:B:LEU:HD13	1:55:B:VAL:HA	2	0.63
(3,1379)	1:54:B:LEU:HD13	1:55:B:VAL:HA	9	0.63
(3,1361)	1:55:B:VAL:HG12	1:52:B:HIS:HB2	7	0.63
(3,1361)	1:55:B:VAL:HG11	1:52:B:HIS:HB2	10	0.63
(3,1322)	1:59:B:LEU:HD11	1:18:B:ARG:H	8	0.63
(3,1285)	1:31:B:ASP:HB2	1:35:B:ALA:HB1	11	0.63
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	20	0.63
(3,1221)	1:72:B:HIS:HE1	1:74:B:VAL:HG11	19	0.63
(3,1220)	1:72:B:HIS:HE1	1:74:B:VAL:HG11	19	0.63
(3,1187)	1:73:B:ILE:HD12	1:73:B:ILE:HB	14	0.63
(3,1038)	1:20:B:LEU:HD12	1:19:B:GLU:H	9	0.63
(3,1006)	1:19:B:GLU:HG3	1:16:B:HIS:HE1	10	0.63
(3,933)	1:97:B:VAL:HG13	1:88:B:PHE:HB3	3	0.63
(3,910)	1:98:B:LEU:HD12	1:96:B:ASP:HB3	7	0.63
(3,865)	1:101:B:ILE:HD13	1:102:B:MET:HG3	15	0.63
(3,863)	1:105:B:ILE:HD12	1:84:B:LEU:HB2	2	0.63
(3,825)	1:105:B:ILE:HG23	1:108:B:LYS:HB3	1	0.63
(3,734)	1:114:B:ILE:HG23	1:102:B:MET:HE3	18	0.63
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD13	16	0.63
(3,714)	1:97:B:VAL:HG23	1:89:B:GLU:H	18	0.63
(3,691)	1:22:B:LEU:HD23	1:21:B:TYR:HB3	1	0.63
(3,658)	1:95:B:ASP:HB3	1:132:B:LYS:HB3	8	0.63
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD13	2	0.63
(3,562)	1:55:B:VAL:HG22	1:55:B:VAL:HA	5	0.63
(3,562)	1:55:B:VAL:HG22	1:55:B:VAL:HA	19	0.63
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	1	0.63
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	1	0.63
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	18	0.63
(3,447)	1:134:B:ARG:HB3	1:135:B:GLN:HG2	12	0.63
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	9	0.63
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD3	18	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	14	0.63
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD12	12	0.63
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG22	16	0.63
(3,12)	1:9:B:TRP:HE1	1:50:B:ILE:HD11	17	0.63
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG2	5	0.63
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	20	0.63
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	14	0.63
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	14	0.63
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	18	0.63
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	18	0.63
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	18	0.63
(1,2592)	1:15:B:ALA:HB1	1:57:B:MET:HE3	13	0.63
(1,2339)	1:40:B:LEU:HD11	1:9:B:TRP:HH2	16	0.63
(1,2339)	1:40:B:LEU:HD12	1:9:B:TRP:HH2	16	0.63
(1,2339)	1:40:B:LEU:HD13	1:9:B:TRP:HH2	16	0.63
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG21	17	0.63
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG22	17	0.63
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG23	17	0.63
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	19	0.63
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	19	0.63
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	19	0.63
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	6	0.63
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	6	0.63
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	6	0.63
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	12	0.63
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	12	0.63
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	12	0.63
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	20	0.63
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	20	0.63
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	20	0.63
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	3	0.63
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	3	0.63
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	3	0.63
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	12	0.63
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	1	0.63
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	1	0.63
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	1	0.63
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG11	3	0.63
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG12	3	0.63
(1,1874)	1:70:B:GLY:HA3	1:63:B:VAL:HG13	3	0.63
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG21	14	0.63
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG22	14	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG23	14	0.63
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD11	9	0.63
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD12	9	0.63
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD13	9	0.63
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD11	9	0.63
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD12	9	0.63
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD13	9	0.63
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD11	9	0.63
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD12	9	0.63
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD13	9	0.63
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD11	16	0.63
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD12	16	0.63
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD13	16	0.63
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD11	16	0.63
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD12	16	0.63
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD13	16	0.63
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD11	16	0.63
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD12	16	0.63
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD13	16	0.63
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	3	0.63
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	3	0.63
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	3	0.63
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	3	0.63
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	3	0.63
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	3	0.63
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	3	0.63
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	3	0.63
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	3	0.63
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	5	0.63
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	5	0.63
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	5	0.63
(1,1064)	1:124:B:VAL:HB	1:129:B:GLU:HG3	5	0.63
(1,980)	1:33:B:VAL:HG11	1:51:B:ILE:HG13	5	0.63
(1,980)	1:33:B:VAL:HG12	1:51:B:ILE:HG13	5	0.63
(1,980)	1:33:B:VAL:HG13	1:51:B:ILE:HG13	5	0.63
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	8	0.63
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	8	0.63
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	8	0.63
(1,947)	1:131:B:TYR:HB2	1:133:B:LYS:HB2	14	0.63
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG3	17	0.63
(1,414)	1:65:B:ASP:H	1:65:B:ASP:HB3	12	0.63
(1,15)	1:6:B:ALA:H	1:5:B:ARG:HG3	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:5:B:ARG:H	1:5:B:ARG:HB2	17	0.63
(3,1894)	1:117:B:LYS:HD3	1:120:B:ALA:H	7	0.62
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HG3	16	0.62
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG23	9	0.62
(3,1802)	1:15:B:ALA:HB1	1:14:B:GLU:HB3	2	0.62
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	11	0.62
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	18	0.62
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	18	0.62
(3,1659)	1:33:B:VAL:HB	1:33:B:VAL:H	11	0.62
(3,1622)	1:36:B:ILE:HG23	1:20:B:LEU:HG	16	0.62
(3,1596)	1:38:B:ALA:HB3	1:37:B:LEU:HB2	20	0.62
(3,1595)	1:38:B:ALA:HB3	1:37:B:LEU:HB3	16	0.62
(3,1577)	1:40:B:LEU:HD13	1:42:B:THR:HB	2	0.62
(3,1572)	1:40:B:LEU:HD11	1:20:B:LEU:HD21	18	0.62
(3,1571)	1:22:B:LEU:HD11	1:54:B:LEU:HD23	18	0.62
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	7	0.62
(3,1556)	1:42:B:THR:HA	1:41:B:ASN:HB3	8	0.62
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	3	0.62
(3,1486)	1:50:B:ILE:HG21	1:34:B:GLU:H	3	0.62
(3,1454)	1:51:B:ILE:HD12	1:49:B:GLN:H	18	0.62
(3,1440)	1:51:B:ILE:HD13	1:67:B:GLN:HB3	13	0.62
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	20	0.62
(3,1386)	1:54:B:LEU:HD22	1:54:B:LEU:HB2	5	0.62
(3,1386)	1:54:B:LEU:HD22	1:54:B:LEU:HB2	11	0.62
(3,1340)	1:57:B:MET:HE1	1:60:B:ALA:H	11	0.62
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD11	12	0.62
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	17	0.62
(3,1221)	1:72:B:HIS:HE1	1:73:B:ILE:HG21	17	0.62
(3,1218)	1:72:B:HIS:HD2	1:113:B:ARG:HA	8	0.62
(3,1187)	1:73:B:ILE:HD12	1:73:B:ILE:HB	11	0.62
(3,1187)	1:73:B:ILE:HD11	1:73:B:ILE:HB	15	0.62
(3,1160)	1:72:B:HIS:HB2	1:74:B:VAL:H	4	0.62
(3,1113)	1:82:B:LEU:HD12	1:85:B:GLN:HB3	2	0.62
(3,1097)	1:19:B:GLU:HG2	1:23:B:ALA:HB3	2	0.62
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	17	0.62
(3,1038)	1:20:B:LEU:HD13	1:19:B:GLU:H	11	0.62
(3,1027)	1:88:B:PHE:HA	1:123:B:LEU:HB3	1	0.62
(3,962)	1:48:B:LYS:HG3	1:51:B:ILE:HD13	2	0.62
(3,923)	1:44:B:PRO:HB3	1:44:B:PRO:HD2	8	0.62
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG11	14	0.62
(3,897)	1:98:B:LEU:HD23	1:118:B:LEU:HB2	10	0.62
(3,830)	1:31:B:ASP:HB3	1:30:B:GLN:HE21	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,722)	1:27:B:VAL:HG13	1:30:B:GLN:HE21	12	0.62
(3,722)	1:27:B:VAL:HG13	1:30:B:GLN:HE21	20	0.62
(3,622)	1:119:B:LEU:HD12	1:116:B:ASP:HA	15	0.62
(3,589)	1:84:B:LEU:HD22	1:118:B:LEU:H	9	0.62
(3,585)	1:121:B:LEU:HD13	1:81:B:GLU:H	15	0.62
(3,562)	1:55:B:VAL:HG21	1:55:B:VAL:HA	1	0.62
(3,562)	1:55:B:VAL:HG21	1:55:B:VAL:HA	7	0.62
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD22	1	0.62
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD23	2	0.62
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD22	3	0.62
(3,439)	1:14:B:GLU:HB3	1:17:B:LEU:HG	1	0.62
(3,418)	1:133:B:LYS:HB3	1:134:B:ARG:HD2	12	0.62
(3,401)	1:132:B:LYS:HE2	1:132:B:LYS:HB3	20	0.62
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	12	0.62
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	18	0.62
(3,367)	1:98:B:LEU:HD13	1:98:B:LEU:HA	18	0.62
(3,356)	1:130:B:LEU:HD21	1:88:B:PHE:HE2	12	0.62
(3,338)	1:3:B:SER:HB3	1:4:B:ARG:HG3	16	0.62
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD11	15	0.62
(1,2556)	1:17:B:LEU:HD21	1:54:B:LEU:HA	6	0.62
(1,2556)	1:17:B:LEU:HD22	1:54:B:LEU:HA	6	0.62
(1,2556)	1:17:B:LEU:HD23	1:54:B:LEU:HA	6	0.62
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	9	0.62
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	9	0.62
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	9	0.62
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	13	0.62
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	13	0.62
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	13	0.62
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	2	0.62
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	2	0.62
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	2	0.62
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	4	0.62
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	4	0.62
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	4	0.62
(1,2034)	1:57:B:MET:HE3	1:21:B:TYR:HD1	17	0.62
(1,1903)	1:65:B:ASP:HB3	1:64:B:LYS:HA	4	0.62
(1,1903)	1:65:B:ASP:HB3	1:64:B:LYS:HA	14	0.62
(1,1799)	1:138:B:LEU:HB2	1:136:B:LYS:HE3	2	0.62
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	5	0.62
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	5	0.62
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	5	0.62
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	18	0.62
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	18	0.62
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	1	0.62
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	1	0.62
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	1	0.62
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	1	0.62
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	1	0.62
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	1	0.62
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	1	0.62
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	1	0.62
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	1	0.62
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	7	0.62
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	7	0.62
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	7	0.62
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	12	0.62
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	12	0.62
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	12	0.62
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	17	0.62
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	17	0.62
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	17	0.62
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	17	0.62
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	17	0.62
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	8	0.62
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	8	0.62
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	8	0.62
(1,669)	1:107:B:ALA:H	1:105:B:ILE:HG12	1	0.62
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	9	0.62
(3,1898)	1:88:B:PHE:HE2	1:88:B:PHE:H	3	0.61
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	20	0.61
(3,1776)	1:17:B:LEU:HD23	1:53:B:HIS:HE1	9	0.61
(3,1773)	1:17:B:LEU:HD12	1:40:B:LEU:H	13	0.61
(3,1773)	1:17:B:LEU:HD11	1:40:B:LEU:H	14	0.61
(3,1733)	1:21:B:TYR:HE1	1:54:B:LEU:HG	5	0.61
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG21	6	0.61
(3,1672)	1:32:B:VAL:HG12	1:37:B:LEU:H	19	0.61
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	20	0.61
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD13	10	0.61
(3,1655)	1:33:B:VAL:HA	1:33:B:VAL:HG21	19	0.61
(3,1577)	1:40:B:LEU:HD13	1:42:B:THR:HB	15	0.61
(3,1572)	1:40:B:LEU:HD11	1:20:B:LEU:HD23	4	0.61
(3,1556)	1:42:B:THR:HA	1:41:B:ASN:HB3	9	0.61
(3,1513)	1:18:B:ARG:HA	1:59:B:LEU:HD11	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1509)	1:48:B:LYS:HD3	1:52:B:HIS:HE1	2	0.61
(3,1471)	1:50:B:ILE:HD12	1:46:B:THR:HG22	1	0.61
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	13	0.61
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD23	2	0.61
(3,1386)	1:54:B:LEU:HD21	1:54:B:LEU:HB2	14	0.61
(3,1379)	1:54:B:LEU:HD12	1:55:B:VAL:HA	5	0.61
(3,1379)	1:54:B:LEU:HD13	1:52:B:HIS:HA	8	0.61
(3,1361)	1:55:B:VAL:HG13	1:52:B:HIS:HB2	9	0.61
(3,1283)	1:55:B:VAL:HA	1:51:B:ILE:HA	5	0.61
(3,1262)	1:65:B:ASP:HB3	1:63:B:VAL:HA	12	0.61
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	12	0.61
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD2	13	0.61
(3,1218)	1:72:B:HIS:HD2	1:71:B:THR:HA	15	0.61
(3,1187)	1:73:B:ILE:HD12	1:73:B:ILE:HB	2	0.61
(3,1187)	1:73:B:ILE:HD13	1:73:B:ILE:HB	5	0.61
(3,1187)	1:73:B:ILE:HD13	1:73:B:ILE:HB	20	0.61
(3,1180)	1:74:B:VAL:HG22	1:72:B:HIS:HD2	2	0.61
(3,1132)	1:72:B:HIS:HB2	1:73:B:ILE:HG12	1	0.61
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG23	6	0.61
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	5	0.61
(3,1005)	1:89:B:GLU:HG2	1:86:B:ARG:H	14	0.61
(3,957)	1:93:B:ASP:HB3	1:92:B:ARG:HB2	2	0.61
(3,934)	1:97:B:VAL:HG21	1:118:B:LEU:HD11	11	0.61
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG13	17	0.61
(3,862)	1:101:B:ILE:HD11	1:98:B:LEU:HB3	18	0.61
(3,745)	1:114:B:ILE:HD13	1:113:B:ARG:HD2	8	0.61
(3,691)	1:33:B:VAL:HG23	1:51:B:ILE:HA	5	0.61
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG23	2	0.61
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG21	17	0.61
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	15	0.61
(3,619)	1:119:B:LEU:HD11	1:126:B:GLU:HB2	1	0.61
(3,609)	1:112:B:ALA:HB1	1:113:B:ARG:HB2	5	0.61
(3,591)	1:20:B:LEU:HD21	1:23:B:ALA:H	10	0.61
(3,562)	1:55:B:VAL:HG22	1:55:B:VAL:HA	2	0.61
(3,562)	1:55:B:VAL:HG21	1:55:B:VAL:HA	6	0.61
(3,562)	1:55:B:VAL:HG22	1:55:B:VAL:HA	11	0.61
(3,562)	1:55:B:VAL:HG21	1:55:B:VAL:HA	16	0.61
(3,562)	1:55:B:VAL:HG22	1:55:B:VAL:HA	17	0.61
(3,562)	1:55:B:VAL:HG23	1:55:B:VAL:HA	18	0.61
(3,560)	1:123:B:LEU:HD21	1:92:B:ARG:HD2	9	0.61
(3,553)	1:124:B:VAL:HG12	1:128:B:ARG:H	20	0.61
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD22	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD22	16	0.61
(3,485)	1:131:B:TYR:HE1	1:130:B:LEU:HB2	6	0.61
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	10	0.61
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	16	0.61
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	19	0.61
(3,381)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	6	0.61
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	6	0.61
(3,367)	1:98:B:LEU:HD13	1:98:B:LEU:HA	9	0.61
(3,356)	1:130:B:LEU:HD23	1:88:B:PHE:HE2	7	0.61
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD3	4	0.61
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD11	1	0.61
(3,180)	1:83:B:GLU:H	1:82:B:LEU:HD11	19	0.61
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG23	9	0.61
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG22	18	0.61
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	14	0.61
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	12	0.61
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG11	18	0.61
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG12	18	0.61
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG13	18	0.61
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG21	1	0.61
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	17	0.61
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	17	0.61
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	17	0.61
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	14	0.61
(1,1693)	1:20:B:LEU:HD11	1:24:B:ASN:H	16	0.61
(1,1693)	1:20:B:LEU:HD12	1:24:B:ASN:H	16	0.61
(1,1693)	1:20:B:LEU:HD13	1:24:B:ASN:H	16	0.61
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	18	0.61
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	10	0.61
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	10	0.61
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	6	0.61
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	6	0.61
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	6	0.61
(1,1518)	1:97:B:VAL:HG11	1:132:B:LYS:HE3	14	0.61
(1,1518)	1:97:B:VAL:HG12	1:132:B:LYS:HE3	14	0.61
(1,1518)	1:97:B:VAL:HG13	1:132:B:LYS:HE3	14	0.61
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	1	0.61
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	1	0.61
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	1	0.61
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	7	0.61
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	7	0.61
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	10	0.61
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	10	0.61
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	10	0.61
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	19	0.61
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	19	0.61
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	19	0.61
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	14	0.61
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	14	0.61
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	14	0.61
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	14	0.61
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	14	0.61
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	20	0.61
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	20	0.61
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	20	0.61
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	14	0.61
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG3	16	0.61
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG3	16	0.61
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	6	0.61
(1,415)	1:65:B:ASP:H	1:64:B:LYS:HB2	12	0.61
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG11	19	0.61
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG12	19	0.61
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG13	19	0.61
(1,10)	1:5:B:ARG:H	1:5:B:ARG:HB2	6	0.61
(3,1875)	1:118:B:LEU:HD11	1:123:B:LEU:HB2	8	0.6
(3,1868)	1:118:B:LEU:HD11	1:88:B:PHE:H	19	0.6
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	5	0.6
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	17	0.6
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD13	17	0.6
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	6	0.6
(3,1672)	1:32:B:VAL:HG12	1:37:B:LEU:H	13	0.6
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	7	0.6
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	7	0.6
(3,1596)	1:38:B:ALA:HB3	1:37:B:LEU:HB2	10	0.6
(3,1581)	1:40:B:LEU:HD13	1:39:B:HIS:H	7	0.6
(3,1486)	1:50:B:ILE:HG23	1:34:B:GLU:H	19	0.6
(3,1453)	1:51:B:ILE:HD11	1:33:B:VAL:H	11	0.6
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	13	0.6
(3,1386)	1:54:B:LEU:HD21	1:54:B:LEU:HB2	9	0.6
(3,1386)	1:54:B:LEU:HD23	1:54:B:LEU:HB2	13	0.6
(3,1386)	1:54:B:LEU:HD22	1:54:B:LEU:HB2	16	0.6
(3,1374)	1:54:B:LEU:HD11	1:53:B:HIS:HB2	13	0.6
(3,1374)	1:54:B:LEU:HD13	1:53:B:HIS:HB2	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	11	0.6
(3,1187)	1:73:B:ILE:HD13	1:73:B:ILE:HB	19	0.6
(3,1182)	1:74:B:VAL:HG22	1:109:B:ARG:HB2	17	0.6
(3,1174)	1:74:B:VAL:HG11	1:75:B:LEU:HG	1	0.6
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	9	0.6
(3,903)	1:98:B:LEU:HD22	1:130:B:LEU:HA	15	0.6
(3,901)	1:98:B:LEU:HD21	1:130:B:LEU:HB2	19	0.6
(3,897)	1:98:B:LEU:HD21	1:101:B:ILE:HB	12	0.6
(3,869)	1:101:B:ILE:HD12	1:91:B:PHE:HB2	13	0.6
(3,863)	1:36:B:ILE:HD11	1:54:B:LEU:HG	7	0.6
(3,842)	1:102:B:MET:HE1	1:114:B:ILE:HD12	15	0.6
(3,841)	1:102:B:MET:HE1	1:109:B:ARG:HB3	20	0.6
(3,811)	1:107:B:ALA:HB1	1:109:B:ARG:HB2	11	0.6
(3,691)	1:22:B:LEU:HD23	1:21:B:TYR:HB3	4	0.6
(3,674)	1:7:B:PRO:HB3	1:43:B:VAL:HG11	14	0.6
(3,591)	1:20:B:LEU:HD23	1:23:B:ALA:H	13	0.6
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD13	6	0.6
(3,562)	1:55:B:VAL:HG21	1:55:B:VAL:HA	4	0.6
(3,562)	1:55:B:VAL:HG22	1:55:B:VAL:HA	13	0.6
(3,562)	1:55:B:VAL:HG22	1:55:B:VAL:HA	20	0.6
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD23	9	0.6
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD21	17	0.6
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	8	0.6
(3,439)	1:14:B:GLU:HB3	1:17:B:LEU:HG	20	0.6
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	12	0.6
(3,213)	1:94:B:SER:H	1:91:B:PHE:HD1	4	0.6
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG23	3	0.6
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	17	0.6
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	17	0.6
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	17	0.6
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	1	0.6
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	1	0.6
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	1	0.6
(2,33)	1:74:B:VAL:HG21	1:114:B:ILE:HG12	11	0.6
(2,33)	1:74:B:VAL:HG22	1:114:B:ILE:HG12	11	0.6
(2,33)	1:74:B:VAL:HG23	1:114:B:ILE:HG12	11	0.6
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	11	0.6
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	16	0.6
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	19	0.6
(1,2736)	1:76:B:TRP:HH2	1:114:B:ILE:HG13	6	0.6
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	19	0.6
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	19	0.6
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	18	0.6
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG3	18	0.6
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	17	0.6
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	17	0.6
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	17	0.6
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	8	0.6
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	8	0.6
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	8	0.6
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	8	0.6
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	8	0.6
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	8	0.6
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	18	0.6
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	18	0.6
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	18	0.6
(1,2034)	1:57:B:MET:HE3	1:21:B:TYR:HD1	20	0.6
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	19	0.6
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	19	0.6
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	19	0.6
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	5	0.6
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	5	0.6
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	5	0.6
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	5	0.6
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	5	0.6
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	5	0.6
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	5	0.6
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	5	0.6
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	5	0.6
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG11	10	0.6
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG12	10	0.6
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG13	10	0.6
(1,1903)	1:65:B:ASP:HB3	1:64:B:LYS:HA	12	0.6
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	14	0.6
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	18	0.6
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG22	16	0.6
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG21	17	0.6
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG22	17	0.6
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG23	17	0.6
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD3	8	0.6
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	18	0.6
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	18	0.6
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	9	0.6
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	9	0.6
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	9	0.6
(1,1388)	1:106:B:THR:HG21	1:80:B:GLN:HG2	1	0.6
(1,1388)	1:106:B:THR:HG22	1:80:B:GLN:HG2	1	0.6
(1,1388)	1:106:B:THR:HG23	1:80:B:GLN:HG2	1	0.6
(1,1374)	1:107:B:ALA:HB1	1:80:B:GLN:HE22	5	0.6
(1,1374)	1:107:B:ALA:HB2	1:80:B:GLN:HE22	5	0.6
(1,1374)	1:107:B:ALA:HB3	1:80:B:GLN:HE22	5	0.6
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	3	0.6
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	3	0.6
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	3	0.6
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD21	2	0.6
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD22	2	0.6
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD23	2	0.6
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	11	0.6
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	11	0.6
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	11	0.6
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	4	0.6
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	4	0.6
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	11	0.6
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	11	0.6
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	11	0.6
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	8	0.6
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	8	0.6
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	8	0.6
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG22	5	0.6
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG2	17	0.6
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG3	20	0.6
(1,415)	1:65:B:ASP:H	1:64:B:LYS:HB2	3	0.6
(1,414)	1:65:B:ASP:H	1:65:B:ASP:HB3	11	0.6
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	20	0.6
(3,1875)	1:118:B:LEU:HD12	1:123:B:LEU:HB2	19	0.59
(3,1875)	1:118:B:LEU:HD13	1:123:B:LEU:HB2	20	0.59
(3,1867)	1:118:B:LEU:HD12	1:124:B:VAL:H	2	0.59
(3,1773)	1:17:B:LEU:HD12	1:40:B:LEU:H	4	0.59
(3,1622)	1:36:B:ILE:HG23	1:37:B:LEU:HG	3	0.59
(3,1622)	1:36:B:ILE:HG21	1:37:B:LEU:HG	19	0.59
(3,1596)	1:38:B:ALA:HB2	1:37:B:LEU:HB2	6	0.59
(3,1579)	1:40:B:LEU:HD12	1:9:B:TRP:HE3	5	0.59
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	7	0.59
(3,1556)	1:42:B:THR:HA	1:41:B:ASN:HB3	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1556)	1:42:B:THR:HA	1:41:B:ASN:HB3	7	0.59
(3,1551)	1:43:B:VAL:HG22	1:9:B:TRP:HE3	5	0.59
(3,1550)	1:43:B:VAL:HG22	1:42:B:THR:HA	12	0.59
(3,1531)	1:46:B:THR:HG21	1:49:B:GLN:HG2	11	0.59
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	17	0.59
(3,1485)	1:50:B:ILE:HG21	1:49:B:GLN:H	14	0.59
(3,1468)	1:50:B:ILE:HD12	1:50:B:ILE:HB	12	0.59
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	11	0.59
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	7	0.59
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD2	4	0.59
(3,1386)	1:54:B:LEU:HD23	1:54:B:LEU:HB2	15	0.59
(3,1386)	1:54:B:LEU:HD21	1:54:B:LEU:HB2	17	0.59
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD21	20	0.59
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	7	0.59
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	7	0.59
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB2	8	0.59
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	11	0.59
(3,1189)	1:73:B:ILE:HG23	1:113:B:ARG:HB3	20	0.59
(3,1149)	1:52:B:HIS:HB3	1:56:B:GLN:HA	7	0.59
(3,1108)	1:40:B:LEU:HD22	1:42:B:THR:H	6	0.59
(3,923)	1:44:B:PRO:HB3	1:44:B:PRO:HD2	5	0.59
(3,908)	1:98:B:LEU:HD12	1:115:B:VAL:HG11	10	0.59
(3,897)	1:98:B:LEU:HD23	1:101:B:ILE:HB	5	0.59
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	11	0.59
(3,863)	1:36:B:ILE:HD13	1:54:B:LEU:HG	1	0.59
(3,863)	1:105:B:ILE:HD13	1:84:B:LEU:HB2	12	0.59
(3,830)	1:31:B:ASP:HB3	1:30:B:GLN:HE21	5	0.59
(3,790)	1:109:B:ARG:HD2	1:84:B:LEU:HD12	1	0.59
(3,747)	1:114:B:ILE:HD13	1:105:B:ILE:HG12	8	0.59
(3,711)	1:87:B:LEU:HD13	1:91:B:PHE:H	8	0.59
(3,709)	1:115:B:VAL:HG11	1:119:B:LEU:H	4	0.59
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD13	10	0.59
(3,599)	1:84:B:LEU:HD23	1:84:B:LEU:HA	6	0.59
(3,598)	1:84:B:LEU:HD22	1:114:B:ILE:HB	16	0.59
(3,562)	1:55:B:VAL:HG23	1:55:B:VAL:HA	9	0.59
(3,562)	1:55:B:VAL:HG21	1:55:B:VAL:HA	10	0.59
(3,553)	1:124:B:VAL:HG12	1:128:B:ARG:H	13	0.59
(3,553)	1:124:B:VAL:HG11	1:128:B:ARG:H	15	0.59
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD21	19	0.59
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	2	0.59
(3,485)	1:131:B:TYR:HE1	1:130:B:LEU:HB2	7	0.59
(3,418)	1:133:B:LYS:HB2	1:134:B:ARG:HD3	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,418)	1:133:B:LYS:HB3	1:134:B:ARG:HD2	20	0.59
(3,381)	1:37:B:LEU:HG	1:50:B:ILE:HB	19	0.59
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	12	0.59
(3,357)	1:98:B:LEU:HD12	1:114:B:ILE:H	20	0.59
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD12	17	0.59
(3,164)	1:76:B:TRP:HE1	1:109:B:ARG:HG2	2	0.59
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG21	4	0.59
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG22	7	0.59
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG22	17	0.59
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG22	5	0.59
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD21	20	0.59
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD22	20	0.59
(2,49)	1:40:B:LEU:HB3	1:20:B:LEU:HD23	20	0.59
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	4	0.59
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	4	0.59
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	12	0.59
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	12	0.59
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE2	14	0.59
(1,2619)	1:11:B:PRO:HA	1:14:B:GLU:HB2	3	0.59
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG3	14	0.59
(1,2278)	1:43:B:VAL:HG21	1:45:B:ARG:HB2	2	0.59
(1,2278)	1:43:B:VAL:HG22	1:45:B:ARG:HB2	2	0.59
(1,2278)	1:43:B:VAL:HG23	1:45:B:ARG:HB2	2	0.59
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG21	12	0.59
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG22	12	0.59
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG23	12	0.59
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	1	0.59
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	1	0.59
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	1	0.59
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	13	0.59
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	13	0.59
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	13	0.59
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG21	12	0.59
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG22	12	0.59
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG23	12	0.59
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	17	0.59
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	17	0.59
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	17	0.59
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	17	0.59
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	17	0.59
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	17	0.59
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	17	0.59
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	17	0.59
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	20	0.59
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	20	0.59
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	20	0.59
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	11	0.59
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	11	0.59
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	11	0.59
(1,1806)	1:74:B:VAL:HG11	1:109:B:ARG:HD3	19	0.59
(1,1806)	1:74:B:VAL:HG12	1:109:B:ARG:HD3	19	0.59
(1,1806)	1:74:B:VAL:HG13	1:109:B:ARG:HD3	19	0.59
(1,1722)	1:56:B:GLN:HA	1:56:B:GLN:HG2	19	0.59
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	10	0.59
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	10	0.59
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	10	0.59
(1,1504)	1:98:B:LEU:HD21	1:102:B:MET:HG2	19	0.59
(1,1504)	1:98:B:LEU:HD22	1:102:B:MET:HG2	19	0.59
(1,1504)	1:98:B:LEU:HD23	1:102:B:MET:HG2	19	0.59
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	17	0.59
(1,1425)	1:103:B:LYS:HE2	1:103:B:LYS:H	4	0.59
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG23	19	0.59
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	18	0.59
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	18	0.59
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	18	0.59
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD11	8	0.59
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD12	8	0.59
(1,1147)	1:23:B:ALA:HB1	1:20:B:LEU:HD13	8	0.59
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD11	8	0.59
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD12	8	0.59
(1,1147)	1:23:B:ALA:HB2	1:20:B:LEU:HD13	8	0.59
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD11	8	0.59
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD12	8	0.59
(1,1147)	1:23:B:ALA:HB3	1:20:B:LEU:HD13	8	0.59
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD21	14	0.59
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD22	14	0.59
(1,995)	1:129:B:GLU:HG2	1:130:B:LEU:HD23	14	0.59
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	1	0.59
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	1	0.59
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	1	0.59
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	15	0.59
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	15	0.59
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	9	0.59
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	9	0.59
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	15	0.59
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	15	0.59
(1,879)	1:59:B:LEU:HD22	1:21:B:TYR:HD1	17	0.59
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG23	12	0.59
(1,414)	1:65:B:ASP:H	1:65:B:ASP:HB3	4	0.59
(1,414)	1:65:B:ASP:H	1:65:B:ASP:HB3	7	0.59
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	18	0.59
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	18	0.59
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	18	0.59
(3,1875)	1:118:B:LEU:HD13	1:123:B:LEU:HB2	1	0.58
(3,1802)	1:15:B:ALA:HB2	1:14:B:GLU:HB3	10	0.58
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	11	0.58
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	15	0.58
(3,1773)	1:17:B:LEU:HD12	1:40:B:LEU:H	15	0.58
(3,1686)	1:74:B:VAL:HG12	1:107:B:ALA:HA	10	0.58
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG22	4	0.58
(3,1673)	1:32:B:VAL:HB	1:66:B:PHE:HD2	1	0.58
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	8	0.58
(3,1665)	1:32:B:VAL:HG12	1:37:B:LEU:HG	13	0.58
(3,1664)	1:32:B:VAL:HG12	1:37:B:LEU:HG	13	0.58
(3,1622)	1:36:B:ILE:HG22	1:37:B:LEU:HG	20	0.58
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD11	13	0.58
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD13	18	0.58
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	13	0.58
(3,1485)	1:50:B:ILE:HG21	1:49:B:GLN:H	15	0.58
(3,1484)	1:50:B:ILE:HG23	1:55:B:VAL:H	9	0.58
(3,1440)	1:51:B:ILE:HD12	1:67:B:GLN:HB3	15	0.58
(3,1435)	1:51:B:ILE:HG21	1:48:B:LYS:HG2	7	0.58
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	17	0.58
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	20	0.58
(3,1375)	1:54:B:LEU:HD13	1:51:B:ILE:HG12	6	0.58
(3,1340)	1:57:B:MET:HE3	1:60:B:ALA:H	9	0.58
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG22	4	0.58
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	3	0.58
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD11	9	0.58
(3,1187)	1:73:B:ILE:HD12	1:73:B:ILE:HB	6	0.58
(3,1187)	1:73:B:ILE:HD11	1:73:B:ILE:HB	8	0.58
(3,1187)	1:73:B:ILE:HD12	1:73:B:ILE:HB	9	0.58
(3,1174)	1:74:B:VAL:HG12	1:75:B:LEU:HG	19	0.58
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG11	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1126)	1:52:B:HIS:HB3	1:63:B:VAL:HG22	7	0.58
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE3	3	0.58
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	20	0.58
(3,925)	1:97:B:VAL:HG11	1:118:B:LEU:HD12	10	0.58
(3,812)	1:107:B:ALA:HB3	1:105:B:ILE:HG13	9	0.58
(3,809)	1:107:B:ALA:HB1	1:80:B:GLN:HB3	3	0.58
(3,809)	1:107:B:ALA:HB1	1:80:B:GLN:HB3	19	0.58
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG12	10	0.58
(3,754)	1:44:B:PRO:HG3	1:43:B:VAL:HG22	6	0.58
(3,745)	1:114:B:ILE:HD12	1:115:B:VAL:HA	2	0.58
(3,709)	1:84:B:LEU:HD12	1:119:B:LEU:H	3	0.58
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG21	18	0.58
(3,674)	1:7:B:PRO:HB3	1:43:B:VAL:HG13	18	0.58
(3,599)	1:84:B:LEU:HD22	1:84:B:LEU:HA	1	0.58
(3,593)	1:84:B:LEU:HD21	1:114:B:ILE:HG22	15	0.58
(3,562)	1:55:B:VAL:HG21	1:55:B:VAL:HA	15	0.58
(3,481)	1:14:B:GLU:HG2	1:40:B:LEU:HD12	1	0.58
(3,406)	1:132:B:LYS:HD3	1:132:B:LYS:HA	20	0.58
(3,402)	1:48:B:LYS:HE2	1:48:B:LYS:HB3	1	0.58
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD2	20	0.58
(3,232)	1:104:B:ASN:H	1:87:B:LEU:HB3	5	0.58
(3,136)	1:64:B:LYS:H	1:63:B:VAL:HG12	4	0.58
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD12	12	0.58
(3,68)	1:35:B:ALA:H	1:33:B:VAL:HG13	14	0.58
(3,12)	1:9:B:TRP:HE1	1:50:B:ILE:HD13	11	0.58
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	19	0.58
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	19	0.58
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	19	0.58
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	15	0.58
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	15	0.58
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	18	0.58
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	18	0.58
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	18	0.58
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	3	0.58
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	3	0.58
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	3	0.58
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	8	0.58
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	8	0.58
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	8	0.58
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	5	0.58
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	5	0.58
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2495)	1:25:B:LYS:HG3	1:21:B:TYR:HE2	16	0.58
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	15	0.58
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	15	0.58
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	15	0.58
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	7	0.58
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	7	0.58
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	7	0.58
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	19	0.58
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	19	0.58
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	19	0.58
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	19	0.58
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	19	0.58
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	19	0.58
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	19	0.58
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	19	0.58
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	19	0.58
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	5	0.58
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	5	0.58
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	5	0.58
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	15	0.58
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	15	0.58
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	15	0.58
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	17	0.58
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	17	0.58
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	17	0.58
(1,1903)	1:65:B:ASP:HB3	1:64:B:LYS:HA	7	0.58
(1,1901)	1:65:B:ASP:HA	1:61:B:ASP:HB2	11	0.58
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	1	0.58
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	14	0.58
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	14	0.58
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	14	0.58
(1,1695)	1:127:B:ARG:HD3	1:116:B:ASP:H	20	0.58
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	11	0.58
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	11	0.58
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	11	0.58
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD11	18	0.58
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD12	18	0.58
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD13	18	0.58
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	15	0.58
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	15	0.58
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	15	0.58
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	18	0.58
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	18	0.58
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	18	0.58
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	18	0.58
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	18	0.58
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	18	0.58
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	18	0.58
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	18	0.58
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	4	0.58
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	4	0.58
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	4	0.58
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	4	0.58
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	4	0.58
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	4	0.58
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	4	0.58
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	4	0.58
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	4	0.58
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	7	0.58
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	7	0.58
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	7	0.58
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	7	0.58
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	7	0.58
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	7	0.58
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	7	0.58
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	7	0.58
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	7	0.58
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	5	0.58
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	5	0.58
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	5	0.58
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	14	0.58
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG23	13	0.57
(3,1898)	1:88:B:PHE:HE2	1:88:B:PHE:H	9	0.57
(3,1873)	1:118:B:LEU:HD13	1:119:B:LEU:HA	15	0.57
(3,1872)	1:118:B:LEU:HD21	1:115:B:VAL:H	19	0.57
(3,1860)	1:6:B:ALA:HA	1:43:B:VAL:HG13	18	0.57
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG21	5	0.57
(3,1833)	1:9:B:TRP:HD1	1:49:B:GLN:HB3	12	0.57
(3,1776)	1:17:B:LEU:HD21	1:53:B:HIS:HE1	1	0.57
(3,1766)	1:17:B:LEU:HD13	1:17:B:LEU:HA	11	0.57
(3,1670)	1:32:B:VAL:HG23	1:22:B:LEU:H	20	0.57
(3,1668)	1:32:B:VAL:HG23	1:24:B:ASN:H	16	0.57
(3,1665)	1:32:B:VAL:HG12	1:37:B:LEU:HG	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1664)	1:32:B:VAL:HG12	1:37:B:LEU:HG	19	0.57
(3,1622)	1:36:B:ILE:HG23	1:20:B:LEU:HG	9	0.57
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG23	6	0.57
(3,1579)	1:40:B:LEU:HD12	1:9:B:TRP:HE3	14	0.57
(3,1577)	1:40:B:LEU:HD11	1:42:B:THR:HB	19	0.57
(3,1575)	1:40:B:LEU:HD13	1:45:B:ARG:HD3	15	0.57
(3,1572)	1:40:B:LEU:HD13	1:20:B:LEU:HD21	19	0.57
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	5	0.57
(3,1485)	1:50:B:ILE:HG22	1:49:B:GLN:H	16	0.57
(3,1484)	1:50:B:ILE:HG21	1:55:B:VAL:H	5	0.57
(3,1484)	1:50:B:ILE:HG23	1:55:B:VAL:H	13	0.57
(3,1484)	1:50:B:ILE:HG21	1:55:B:VAL:H	14	0.57
(3,1453)	1:51:B:ILE:HD12	1:33:B:VAL:H	5	0.57
(3,1440)	1:51:B:ILE:HD12	1:67:B:GLN:HB3	3	0.57
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	4	0.57
(3,1391)	1:54:B:LEU:HD11	1:33:B:VAL:H	7	0.57
(3,1379)	1:54:B:LEU:HD11	1:52:B:HIS:HA	17	0.57
(3,1348)	1:30:B:GLN:HG3	1:31:B:ASP:HB3	13	0.57
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD22	15	0.57
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	4	0.57
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	18	0.57
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	4	0.57
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD11	20	0.57
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG13	3	0.57
(3,1139)	1:76:B:TRP:HB3	1:73:B:ILE:HG13	3	0.57
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG21	20	0.57
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD22	16	0.57
(3,914)	1:37:B:LEU:HD12	1:49:B:GLN:H	5	0.57
(3,863)	1:36:B:ILE:HD12	1:54:B:LEU:HG	13	0.57
(3,852)	1:114:B:ILE:HG21	1:88:B:PHE:H	10	0.57
(3,842)	1:102:B:MET:HE2	1:114:B:ILE:HD12	8	0.57
(3,811)	1:107:B:ALA:HB1	1:109:B:ARG:HB2	16	0.57
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD23	6	0.57
(3,745)	1:114:B:ILE:HD12	1:115:B:VAL:HA	12	0.57
(3,709)	1:115:B:VAL:HG13	1:119:B:LEU:H	2	0.57
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	18	0.57
(3,627)	1:119:B:LEU:HD22	1:116:B:ASP:HA	10	0.57
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD23	10	0.57
(3,599)	1:84:B:LEU:HD23	1:84:B:LEU:HA	5	0.57
(3,599)	1:84:B:LEU:HD23	1:84:B:LEU:HA	9	0.57
(3,598)	1:84:B:LEU:HD21	1:114:B:ILE:HB	6	0.57
(3,593)	1:84:B:LEU:HD23	1:114:B:ILE:HG21	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,591)	1:20:B:LEU:HD21	1:23:B:ALA:H	6	0.57
(3,585)	1:121:B:LEU:HD12	1:81:B:GLU:H	11	0.57
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD12	20	0.57
(3,562)	1:55:B:VAL:HG21	1:55:B:VAL:HA	14	0.57
(3,553)	1:124:B:VAL:HG13	1:128:B:ARG:H	14	0.57
(3,537)	1:125:B:ALA:HB3	1:126:B:GLU:HG3	16	0.57
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	20	0.57
(3,394)	1:132:B:LYS:HE2	1:132:B:LYS:H	3	0.57
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	4	0.57
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	6	0.57
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG21	20	0.57
(3,73)	1:36:B:ILE:H	1:51:B:ILE:HD13	6	0.57
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD13	2	0.57
(2,52)	1:35:B:ALA:HB1	1:33:B:VAL:HB	10	0.57
(2,52)	1:35:B:ALA:HB2	1:33:B:VAL:HB	10	0.57
(2,52)	1:35:B:ALA:HB3	1:33:B:VAL:HB	10	0.57
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	17	0.57
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	17	0.57
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	17	0.57
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	5	0.57
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	5	0.57
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	5	0.57
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	2	0.57
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	2	0.57
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	16	0.57
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	18	0.57
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	17	0.57
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	3	0.57
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	3	0.57
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	3	0.57
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	7	0.57
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	7	0.57
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	7	0.57
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	19	0.57
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	19	0.57
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	19	0.57
(1,1977)	1:60:B:ALA:HB1	1:66:B:PHE:HZ	12	0.57
(1,1977)	1:60:B:ALA:HB2	1:66:B:PHE:HZ	12	0.57
(1,1977)	1:60:B:ALA:HB3	1:66:B:PHE:HZ	12	0.57
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	2	0.57
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	2	0.57
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	12	0.57
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	12	0.57
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	12	0.57
(1,1914)	1:64:B:LYS:HD3	1:64:B:LYS:HA	5	0.57
(1,1633)	1:90:B:GLU:HG3	1:86:B:ARG:HA	17	0.57
(1,1165)	1:119:B:LEU:HD11	1:127:B:ARG:HD3	11	0.57
(1,1165)	1:119:B:LEU:HD12	1:127:B:ARG:HD3	11	0.57
(1,1165)	1:119:B:LEU:HD13	1:127:B:ARG:HD3	11	0.57
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD21	19	0.57
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD22	19	0.57
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD23	19	0.57
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	17	0.57
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	17	0.57
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	17	0.57
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	19	0.57
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	19	0.57
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE1	15	0.57
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE2	15	0.57
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE1	15	0.57
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE2	15	0.57
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE1	15	0.57
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE2	15	0.57
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	4	0.57
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	4	0.57
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	4	0.57
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG2	10	0.57
(1,447)	1:68:B:ARG:H	1:67:B:GLN:HB2	10	0.57
(1,414)	1:65:B:ASP:H	1:65:B:ASP:HB3	14	0.57
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	14	0.57
(1,10)	1:5:B:ARG:H	1:5:B:ARG:HB2	7	0.57
(3,1894)	1:117:B:LYS:HD3	1:120:B:ALA:H	9	0.56
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE2	13	0.56
(3,1875)	1:118:B:LEU:HD12	1:123:B:LEU:HB2	3	0.56
(3,1875)	1:118:B:LEU:HD13	1:123:B:LEU:HB2	4	0.56
(3,1785)	1:16:B:HIS:HD2	1:13:B:GLU:HA	10	0.56
(3,1733)	1:21:B:TYR:HE1	1:54:B:LEU:HG	7	0.56
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG23	16	0.56
(3,1672)	1:32:B:VAL:HG13	1:37:B:LEU:H	17	0.56
(3,1622)	1:36:B:ILE:HG22	1:20:B:LEU:HG	4	0.56
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	13	0.56
(3,1591)	1:39:B:HIS:HD2	1:40:B:LEU:HD22	1	0.56
(3,1556)	1:42:B:THR:HA	1:41:B:ASN:HB3	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1545)	1:43:B:VAL:HG11	1:45:B:ARG:HB3	1	0.56
(3,1545)	1:43:B:VAL:HG11	1:45:B:ARG:HB2	12	0.56
(3,1528)	1:46:B:THR:HB	1:45:B:ARG:HG2	17	0.56
(3,1486)	1:50:B:ILE:HG21	1:33:B:VAL:H	5	0.56
(3,1484)	1:50:B:ILE:HG21	1:55:B:VAL:H	20	0.56
(3,1453)	1:51:B:ILE:HD11	1:33:B:VAL:H	2	0.56
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	13	0.56
(3,1379)	1:54:B:LEU:HD13	1:55:B:VAL:HA	10	0.56
(3,1379)	1:54:B:LEU:HD11	1:52:B:HIS:HA	15	0.56
(3,1379)	1:54:B:LEU:HD11	1:52:B:HIS:HA	19	0.56
(3,1361)	1:55:B:VAL:HG12	1:52:B:HIS:HB2	13	0.56
(3,1340)	1:57:B:MET:HE2	1:60:B:ALA:H	14	0.56
(3,1303)	1:15:B:ALA:HA	1:54:B:LEU:HD21	12	0.56
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	13	0.56
(3,1187)	1:73:B:ILE:HD11	1:73:B:ILE:HB	3	0.56
(3,1187)	1:73:B:ILE:HD13	1:73:B:ILE:HB	7	0.56
(3,1187)	1:73:B:ILE:HD13	1:73:B:ILE:HB	10	0.56
(3,1143)	1:76:B:TRP:HD1	1:117:B:LYS:HB3	4	0.56
(3,1143)	1:76:B:TRP:HD1	1:117:B:LYS:HB3	18	0.56
(3,973)	1:66:B:PHE:HE1	1:63:B:VAL:HA	6	0.56
(3,933)	1:97:B:VAL:HG13	1:88:B:PHE:HB3	10	0.56
(3,910)	1:98:B:LEU:HD13	1:102:B:MET:HG3	13	0.56
(3,890)	1:37:B:LEU:HB3	1:36:B:ILE:HA	1	0.56
(3,809)	1:107:B:ALA:HB3	1:80:B:GLN:HB3	4	0.56
(3,745)	1:114:B:ILE:HD13	1:113:B:ARG:HD2	15	0.56
(3,714)	1:97:B:VAL:HG23	1:89:B:GLU:H	7	0.56
(3,709)	1:115:B:VAL:HG12	1:119:B:LEU:H	1	0.56
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	19	0.56
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG21	3	0.56
(3,678)	1:115:B:VAL:HB	1:119:B:LEU:HD11	10	0.56
(3,677)	1:115:B:VAL:HB	1:119:B:LEU:HD21	8	0.56
(3,586)	1:20:B:LEU:HD21	1:39:B:HIS:H	2	0.56
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	11	0.56
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	19	0.56
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	7	0.56
(3,402)	1:133:B:LYS:HE2	1:133:B:LYS:HB3	2	0.56
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD23	2	0.56
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD3	1	0.56
(3,187)	1:85:B:GLN:H	1:84:B:LEU:HD21	11	0.56
(3,180)	1:69:B:LYS:H	1:63:B:VAL:HG13	7	0.56
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG2	13	0.56
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	19	0.56
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	19	0.56
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	13	0.56
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	19	0.56
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	16	0.56
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD11	17	0.56
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD12	17	0.56
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD13	17	0.56
(1,2197)	1:49:B:GLN:HG2	1:45:B:ARG:HG3	12	0.56
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	11	0.56
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	11	0.56
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	11	0.56
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	8	0.56
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	8	0.56
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	8	0.56
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	15	0.56
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	15	0.56
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	15	0.56
(1,1903)	1:65:B:ASP:HB3	1:64:B:LYS:HA	11	0.56
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD21	11	0.56
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD22	11	0.56
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD23	11	0.56
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HD11	14	0.56
(1,1691)	1:20:B:LEU:HD11	1:36:B:ILE:HG12	9	0.56
(1,1691)	1:20:B:LEU:HD12	1:36:B:ILE:HG12	9	0.56
(1,1691)	1:20:B:LEU:HD13	1:36:B:ILE:HG12	9	0.56
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD1	6	0.56
(1,1685)	1:20:B:LEU:HD11	1:21:B:TYR:HD2	6	0.56
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD1	6	0.56
(1,1685)	1:20:B:LEU:HD12	1:21:B:TYR:HD2	6	0.56
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD1	6	0.56
(1,1685)	1:20:B:LEU:HD13	1:21:B:TYR:HD2	6	0.56
(1,1557)	1:92:B:ARG:HD2	1:89:B:GLU:HB3	4	0.56
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD11	13	0.56
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD12	13	0.56
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD13	13	0.56
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	4	0.56
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	4	0.56
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	4	0.56
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	16	0.56
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	16	0.56
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:114:B:ILE:HG12	1:76:B:TRP:HH2	11	0.56
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	8	0.56
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	8	0.56
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	8	0.56
(1,1178)	1:119:B:LEU:HG	1:126:B:GLU:H	10	0.56
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG2	6	0.56
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG2	6	0.56
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG2	6	0.56
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	8	0.56
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	8	0.56
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	8	0.56
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	6	0.56
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	6	0.56
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	6	0.56
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	1	0.56
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	1	0.56
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD21	7	0.56
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD22	7	0.56
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD23	7	0.56
(1,879)	1:59:B:LEU:HD22	1:21:B:TYR:HD1	12	0.56
(1,691)	1:110:B:SER:H	1:113:B:ARG:HB3	6	0.56
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG21	13	0.56
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	15	0.56
(1,575)	1:90:B:GLU:H	1:90:B:GLU:HB2	5	0.56
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	17	0.56
(1,285)	1:46:B:THR:H	1:49:B:GLN:HG2	18	0.56
(1,10)	1:5:B:ARG:H	1:5:B:ARG:HB2	1	0.56
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG22	2	0.55
(3,1802)	1:15:B:ALA:HB2	1:14:B:GLU:HB3	5	0.55
(3,1733)	1:21:B:TYR:HE1	1:54:B:LEU:HG	4	0.55
(3,1683)	1:86:B:ARG:HB3	1:90:B:GLU:HB3	6	0.55
(3,1672)	1:32:B:VAL:HG11	1:37:B:LEU:H	1	0.55
(3,1579)	1:40:B:LEU:HD11	1:9:B:TRP:HE3	19	0.55
(3,1572)	1:40:B:LEU:HD13	1:20:B:LEU:HD23	7	0.55
(3,1572)	1:40:B:LEU:HD11	1:20:B:LEU:HD21	9	0.55
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	9	0.55
(3,1484)	1:50:B:ILE:HG21	1:55:B:VAL:H	4	0.55
(3,1474)	1:50:B:ILE:HD11	1:43:B:VAL:H	2	0.55
(3,1386)	1:54:B:LEU:HD21	1:54:B:LEU:HB2	10	0.55
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD11	9	0.55
(3,1262)	1:65:B:ASP:HB3	1:63:B:VAL:HA	14	0.55
(3,1262)	1:65:B:ASP:HB3	1:63:B:VAL:HA	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG11	19	0.55
(3,1189)	1:73:B:ILE:HG23	1:113:B:ARG:HB3	9	0.55
(3,1184)	1:74:B:VAL:HG21	1:107:B:ALA:HB3	10	0.55
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG22	18	0.55
(3,1050)	1:82:B:LEU:HG	1:85:B:GLN:HG2	6	0.55
(3,953)	1:26:B:ASP:HB2	1:27:B:VAL:HG11	2	0.55
(3,862)	1:101:B:ILE:HD11	1:98:B:LEU:HB3	2	0.55
(3,811)	1:107:B:ALA:HB2	1:109:B:ARG:HB2	6	0.55
(3,797)	1:133:B:LYS:HG3	1:135:B:GLN:HG3	14	0.55
(3,745)	1:114:B:ILE:HD13	1:113:B:ARG:HD2	3	0.55
(3,714)	1:97:B:VAL:HG23	1:89:B:GLU:H	19	0.55
(3,691)	1:22:B:LEU:HD23	1:21:B:TYR:HB3	19	0.55
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD21	6	0.55
(3,610)	1:112:B:ALA:HB3	1:111:B:ARG:HB2	18	0.55
(3,591)	1:20:B:LEU:HD21	1:23:B:ALA:H	17	0.55
(3,559)	1:84:B:LEU:HD21	1:115:B:VAL:HA	6	0.55
(3,558)	1:84:B:LEU:HD22	1:118:B:LEU:HA	14	0.55
(3,553)	1:124:B:VAL:HG11	1:128:B:ARG:H	17	0.55
(3,550)	1:124:B:VAL:HG13	1:118:B:LEU:HB3	18	0.55
(3,537)	1:125:B:ALA:HB2	1:126:B:GLU:HG3	15	0.55
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	10	0.55
(3,505)	1:13:B:GLU:HG2	1:43:B:VAL:HB	20	0.55
(3,406)	1:133:B:LYS:HD3	1:133:B:LYS:HA	7	0.55
(3,394)	1:25:B:LYS:HE3	1:23:B:ALA:H	9	0.55
(3,339)	1:3:B:SER:HB2	1:4:B:ARG:HG2	18	0.55
(3,190)	1:85:B:GLN:HE21	1:123:B:LEU:HD11	1	0.55
(3,68)	1:35:B:ALA:H	1:36:B:ILE:HD13	11	0.55
(2,39)	1:57:B:MET:HE1	1:22:B:LEU:H	18	0.55
(2,39)	1:57:B:MET:HE2	1:22:B:LEU:H	18	0.55
(2,39)	1:57:B:MET:HE3	1:22:B:LEU:H	18	0.55
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	10	0.55
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	10	0.55
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD11	11	0.55
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD12	11	0.55
(1,2406)	1:17:B:LEU:HA	1:17:B:LEU:HD13	11	0.55
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	11	0.55
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	18	0.55
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	18	0.55
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	18	0.55
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	17	0.55
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	17	0.55
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2302)	1:43:B:VAL:HG21	1:43:B:VAL:H	11	0.55
(1,2302)	1:43:B:VAL:HG22	1:43:B:VAL:H	11	0.55
(1,2302)	1:43:B:VAL:HG23	1:43:B:VAL:H	11	0.55
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	1	0.55
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	1	0.55
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	1	0.55
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	9	0.55
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	9	0.55
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	9	0.55
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG11	18	0.55
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG12	18	0.55
(1,2203)	1:69:B:LYS:HB2	1:63:B:VAL:HG13	18	0.55
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD21	14	0.55
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD22	14	0.55
(1,2189)	1:82:B:LEU:HA	1:82:B:LEU:HD23	14	0.55
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	1	0.55
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	1	0.55
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	1	0.55
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	19	0.55
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	19	0.55
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	19	0.55
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	1	0.55
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	1	0.55
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	1	0.55
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	17	0.55
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	17	0.55
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	17	0.55
(1,1928)	1:63:B:VAL:HG21	1:51:B:ILE:HG21	16	0.55
(1,1928)	1:63:B:VAL:HG21	1:51:B:ILE:HG22	16	0.55
(1,1928)	1:63:B:VAL:HG21	1:51:B:ILE:HG23	16	0.55
(1,1928)	1:63:B:VAL:HG22	1:51:B:ILE:HG21	16	0.55
(1,1928)	1:63:B:VAL:HG22	1:51:B:ILE:HG22	16	0.55
(1,1928)	1:63:B:VAL:HG22	1:51:B:ILE:HG23	16	0.55
(1,1928)	1:63:B:VAL:HG23	1:51:B:ILE:HG21	16	0.55
(1,1928)	1:63:B:VAL:HG23	1:51:B:ILE:HG22	16	0.55
(1,1928)	1:63:B:VAL:HG23	1:51:B:ILE:HG23	16	0.55
(1,1903)	1:65:B:ASP:HB3	1:64:B:LYS:HA	16	0.55
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	5	0.55
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	5	0.55
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	5	0.55
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	7	0.55
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	6	0.55
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	6	0.55
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	6	0.55
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG21	19	0.55
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG22	19	0.55
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG23	19	0.55
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB3	16	0.55
(1,1425)	1:103:B:LYS:HE3	1:103:B:LYS:H	17	0.55
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	13	0.55
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	13	0.55
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	13	0.55
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	16	0.55
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	16	0.55
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	16	0.55
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG21	3	0.55
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	17	0.55
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	17	0.55
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	17	0.55
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	18	0.55
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	18	0.55
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	18	0.55
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	17	0.55
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	17	0.55
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	17	0.55
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	19	0.55
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	19	0.55
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	19	0.55
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	19	0.55
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD21	1	0.55
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD22	1	0.55
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD23	1	0.55
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	3	0.55
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	3	0.55
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	3	0.55
(1,929)	1:67:B:GLN:HG3	1:51:B:ILE:HG12	7	0.55
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD21	9	0.55
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD22	9	0.55
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD23	9	0.55
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	6	0.55
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	6	0.55
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	6	0.55
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG3	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	2	0.55
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	3	0.55
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	8	0.55
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	18	0.55
(1,415)	1:65:B:ASP:H	1:64:B:LYS:HB2	4	0.55
(1,285)	1:46:B:THR:H	1:49:B:GLN:HG2	8	0.55
(3,1875)	1:118:B:LEU:HD11	1:123:B:LEU:HB2	9	0.54
(3,1872)	1:118:B:LEU:HD23	1:115:B:VAL:H	8	0.54
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	19	0.54
(3,1792)	1:16:B:HIS:HB3	1:17:B:LEU:HD23	5	0.54
(3,1577)	1:40:B:LEU:HD12	1:42:B:THR:HB	18	0.54
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	6	0.54
(3,1486)	1:50:B:ILE:HG23	1:34:B:GLU:H	7	0.54
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	10	0.54
(3,1379)	1:54:B:LEU:HD13	1:52:B:HIS:HA	6	0.54
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG13	5	0.54
(3,1243)	1:70:B:GLY:HA2	1:63:B:VAL:HB	1	0.54
(3,1184)	1:74:B:VAL:HG23	1:107:B:ALA:HB3	12	0.54
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	7	0.54
(3,1038)	1:20:B:LEU:HD11	1:19:B:GLU:H	8	0.54
(3,1038)	1:20:B:LEU:HD12	1:19:B:GLU:H	15	0.54
(3,1005)	1:89:B:GLU:HG2	1:86:B:ARG:H	16	0.54
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	12	0.54
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG12	18	0.54
(3,903)	1:98:B:LEU:HD23	1:130:B:LEU:HA	12	0.54
(3,838)	1:102:B:MET:HE2	1:99:B:GLY:HA3	8	0.54
(3,837)	1:102:B:MET:HE1	1:111:B:ARG:HA	15	0.54
(3,837)	1:102:B:MET:HE2	1:111:B:ARG:HA	17	0.54
(3,811)	1:107:B:ALA:HB2	1:109:B:ARG:HB2	14	0.54
(3,807)	1:107:B:ALA:HB3	1:74:B:VAL:HG13	15	0.54
(3,754)	1:44:B:PRO:HG3	1:43:B:VAL:HG23	12	0.54
(3,719)	1:27:B:VAL:HG13	1:30:B:GLN:HE22	5	0.54
(3,712)	1:87:B:LEU:HD12	1:103:B:LYS:H	9	0.54
(3,712)	1:87:B:LEU:HD13	1:103:B:LYS:H	16	0.54
(3,691)	1:22:B:LEU:HD23	1:21:B:TYR:HB3	8	0.54
(3,682)	1:115:B:VAL:HG13	1:127:B:ARG:HB3	13	0.54
(3,537)	1:125:B:ALA:HB2	1:126:B:GLU:HG3	19	0.54
(3,533)	1:126:B:GLU:HG3	1:128:B:ARG:HG2	19	0.54
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	17	0.54
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD23	8	0.54
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	3	0.54
(3,491)	1:130:B:LEU:HD11	1:116:B:ASP:H	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,482)	1:14:B:GLU:HG2	1:57:B:MET:HE3	12	0.54
(3,479)	1:131:B:TYR:HB3	1:133:B:LYS:HB2	19	0.54
(3,470)	1:25:B:LYS:HE3	1:26:B:ASP:H	5	0.54
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	12	0.54
(3,367)	1:98:B:LEU:HD11	1:98:B:LEU:HA	6	0.54
(3,338)	1:3:B:SER:HB3	1:4:B:ARG:HG3	13	0.54
(3,318)	1:135:B:GLN:HE21	1:129:B:GLU:HB3	7	0.54
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD3	10	0.54
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD2	15	0.54
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD12	20	0.54
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG12	4	0.54
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	9	0.54
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	9	0.54
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	9	0.54
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	8	0.54
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	8	0.54
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	1	0.54
(1,2683)	1:6:B:ALA:HB1	1:7:B:PRO:HD2	2	0.54
(1,2683)	1:6:B:ALA:HB2	1:7:B:PRO:HD2	2	0.54
(1,2683)	1:6:B:ALA:HB3	1:7:B:PRO:HD2	2	0.54
(1,2619)	1:11:B:PRO:HA	1:14:B:GLU:HB2	13	0.54
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	16	0.54
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	16	0.54
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	16	0.54
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	11	0.54
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	11	0.54
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	11	0.54
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	5	0.54
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	15	0.54
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	15	0.54
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	15	0.54
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	16	0.54
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	16	0.54
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	16	0.54
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	16	0.54
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	16	0.54
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	16	0.54
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	11	0.54
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	11	0.54
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	11	0.54
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	19	0.54
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	19	0.54
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	2	0.54
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	2	0.54
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	2	0.54
(1,1812)	1:27:B:VAL:HG21	1:30:B:GLN:H	6	0.54
(1,1812)	1:27:B:VAL:HG22	1:30:B:GLN:H	6	0.54
(1,1812)	1:27:B:VAL:HG23	1:30:B:GLN:H	6	0.54
(1,1808)	1:74:B:VAL:HG11	1:75:B:LEU:HG	5	0.54
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	17	0.54
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	17	0.54
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	17	0.54
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD21	6	0.54
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD22	6	0.54
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD23	6	0.54
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	19	0.54
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	19	0.54
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	19	0.54
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB3	1	0.54
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB2	4	0.54
(1,1422)	1:105:B:ILE:HG21	1:109:B:ARG:HD3	6	0.54
(1,1422)	1:105:B:ILE:HG22	1:109:B:ARG:HD3	6	0.54
(1,1422)	1:105:B:ILE:HG23	1:109:B:ARG:HD3	6	0.54
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	17	0.54
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	17	0.54
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	17	0.54
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	2	0.54
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	2	0.54
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	2	0.54
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	2	0.54
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	2	0.54
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	2	0.54
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	2	0.54
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	2	0.54
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	2	0.54
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	20	0.54
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	20	0.54
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	20	0.54
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	20	0.54
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	20	0.54
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	20	0.54
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	20	0.54
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	20	0.54
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	19	0.54
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	19	0.54
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	19	0.54
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	14	0.54
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	14	0.54
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	14	0.54
(1,1165)	1:119:B:LEU:HD11	1:127:B:ARG:HD3	6	0.54
(1,1165)	1:119:B:LEU:HD12	1:127:B:ARG:HD3	6	0.54
(1,1165)	1:119:B:LEU:HD13	1:127:B:ARG:HD3	6	0.54
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG2	9	0.54
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG2	9	0.54
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG2	9	0.54
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	14	0.54
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	14	0.54
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	14	0.54
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	10	0.54
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	10	0.54
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	10	0.54
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD21	10	0.54
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD22	10	0.54
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD23	10	0.54
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	6	0.54
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	6	0.54
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	6	0.54
(1,969)	1:130:B:LEU:HD11	1:130:B:LEU:H	16	0.54
(1,969)	1:130:B:LEU:HD12	1:130:B:LEU:H	16	0.54
(1,969)	1:130:B:LEU:HD13	1:130:B:LEU:H	16	0.54
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	1	0.54
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	1	0.54
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	1	0.54
(1,897)	1:33:B:VAL:HG11	1:51:B:ILE:HA	10	0.54
(1,897)	1:33:B:VAL:HG12	1:51:B:ILE:HA	10	0.54
(1,897)	1:33:B:VAL:HG13	1:51:B:ILE:HA	10	0.54
(1,889)	1:138:B:LEU:HD11	1:138:B:LEU:HA	2	0.54
(1,889)	1:138:B:LEU:HD12	1:138:B:LEU:HA	2	0.54
(1,889)	1:138:B:LEU:HD13	1:138:B:LEU:HA	2	0.54
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG3	18	0.54
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	17	0.54
(1,575)	1:90:B:GLU:H	1:90:B:GLU:HB2	18	0.54
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	18	0.54
(1,285)	1:46:B:THR:H	1:49:B:GLN:HG2	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	15	0.54
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	11	0.53
(3,1775)	1:17:B:LEU:HD23	1:54:B:LEU:H	10	0.53
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG22	15	0.53
(3,1673)	1:32:B:VAL:HB	1:24:B:ASN:H	6	0.53
(3,1671)	1:32:B:VAL:HG12	1:66:B:PHE:H	18	0.53
(3,1623)	1:36:B:ILE:HG21	1:17:B:LEU:HG	2	0.53
(3,1579)	1:40:B:LEU:HD12	1:9:B:TRP:HE3	3	0.53
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	15	0.53
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	19	0.53
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	12	0.53
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	4	0.53
(3,1486)	1:50:B:ILE:HG22	1:34:B:GLU:H	15	0.53
(3,1439)	1:51:B:ILE:HD12	1:52:B:HIS:HB2	12	0.53
(3,1434)	1:51:B:ILE:HG22	1:54:B:LEU:HB3	15	0.53
(3,1386)	1:54:B:LEU:HD23	1:17:B:LEU:HD21	7	0.53
(3,1384)	1:54:B:LEU:HD22	1:60:B:ALA:HB1	16	0.53
(3,1375)	1:54:B:LEU:HD12	1:17:B:LEU:HG	10	0.53
(3,1322)	1:37:B:LEU:HD21	1:48:B:LYS:H	20	0.53
(3,1319)	1:37:B:LEU:HD22	1:66:B:PHE:HE1	17	0.53
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	19	0.53
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	3	0.53
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG12	16	0.53
(3,1152)	1:76:B:TRP:HB3	1:78:B:GLY:HA2	7	0.53
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	4	0.53
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	15	0.53
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE2	18	0.53
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	19	0.53
(3,1038)	1:20:B:LEU:HD12	1:19:B:GLU:H	17	0.53
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG11	20	0.53
(3,863)	1:36:B:ILE:HD13	1:54:B:LEU:HG	4	0.53
(3,863)	1:36:B:ILE:HD11	1:54:B:LEU:HG	20	0.53
(3,807)	1:107:B:ALA:HB2	1:74:B:VAL:HG12	4	0.53
(3,745)	1:114:B:ILE:HD11	1:115:B:VAL:HA	18	0.53
(3,620)	1:119:B:LEU:HD13	1:124:B:VAL:HB	13	0.53
(3,609)	1:112:B:ALA:HB1	1:113:B:ARG:HB2	7	0.53
(3,553)	1:124:B:VAL:HG13	1:128:B:ARG:H	2	0.53
(3,553)	1:124:B:VAL:HG12	1:128:B:ARG:H	6	0.53
(3,537)	1:125:B:ALA:HB3	1:126:B:GLU:HG3	17	0.53
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	15	0.53
(3,418)	1:133:B:LYS:HB3	1:134:B:ARG:HD2	7	0.53
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD21	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,183)	1:84:B:LEU:H	1:82:B:LEU:HD12	3	0.53
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG23	3	0.53
(2,13)	1:135:B:GLN:HE21	1:129:B:GLU:HB2	1	0.53
(1,2736)	1:76:B:TRP:HH2	1:114:B:ILE:HG13	9	0.53
(1,2651)	1:9:B:TRP:HZ2	1:49:B:GLN:HG2	19	0.53
(1,2315)	1:42:B:THR:HB	1:13:B:GLU:HG2	20	0.53
(1,2294)	1:43:B:VAL:HG11	1:44:B:PRO:HD2	6	0.53
(1,2294)	1:43:B:VAL:HG12	1:44:B:PRO:HD2	6	0.53
(1,2294)	1:43:B:VAL:HG13	1:44:B:PRO:HD2	6	0.53
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG21	16	0.53
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG22	16	0.53
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG23	16	0.53
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD11	9	0.53
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD12	9	0.53
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD13	9	0.53
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	9	0.53
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	9	0.53
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	9	0.53
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	12	0.53
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	12	0.53
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	12	0.53
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	14	0.53
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	14	0.53
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	14	0.53
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	12	0.53
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	12	0.53
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	12	0.53
(1,2034)	1:57:B:MET:HE3	1:21:B:TYR:HD1	2	0.53
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD2	5	0.53
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	19	0.53
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	19	0.53
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	19	0.53
(1,1947)	1:62:B:SER:HB3	1:65:B:ASP:HB3	10	0.53
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	14	0.53
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	15	0.53
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	15	0.53
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	15	0.53
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	12	0.53
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	17	0.53
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	17	0.53
(1,902)	1:98:B:LEU:HD11	1:114:B:ILE:HB	15	0.53
(1,902)	1:98:B:LEU:HD12	1:114:B:ILE:HB	15	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:98:B:LEU:HD13	1:114:B:ILE:HB	15	0.53
(1,897)	1:33:B:VAL:HG11	1:51:B:ILE:HA	18	0.53
(1,897)	1:33:B:VAL:HG12	1:51:B:ILE:HA	18	0.53
(1,897)	1:33:B:VAL:HG13	1:51:B:ILE:HA	18	0.53
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD2	4	0.53
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	7	0.53
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	7	0.53
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	7	0.53
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB1	1	0.53
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB2	1	0.53
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB3	1	0.53
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG2	11	0.53
(1,409)	1:64:B:LYS:H	1:65:B:ASP:HB3	11	0.53
(1,354)	1:56:B:GLN:HE22	1:53:B:HIS:HE1	12	0.53
(3,1875)	1:118:B:LEU:HD13	1:123:B:LEU:HB2	5	0.52
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	8	0.52
(3,1773)	1:17:B:LEU:HD13	1:40:B:LEU:H	17	0.52
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG21	18	0.52
(3,1622)	1:36:B:ILE:HG21	1:20:B:LEU:HG	18	0.52
(3,1576)	1:22:B:LEU:HD11	1:18:B:ARG:HD3	4	0.52
(3,1574)	1:82:B:LEU:HD12	1:85:B:GLN:HG2	1	0.52
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	18	0.52
(3,1555)	1:42:B:THR:HA	1:43:B:VAL:HB	14	0.52
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	8	0.52
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	5	0.52
(3,1509)	1:48:B:LYS:HD3	1:52:B:HIS:HE1	20	0.52
(3,1434)	1:51:B:ILE:HG23	1:54:B:LEU:HB3	6	0.52
(3,1420)	1:52:B:HIS:HD2	1:48:B:LYS:HG3	2	0.52
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD21	3	0.52
(3,1384)	1:54:B:LEU:HD22	1:60:B:ALA:HB3	11	0.52
(3,1340)	1:57:B:MET:HE3	1:60:B:ALA:H	2	0.52
(3,1276)	1:63:B:VAL:HG22	1:67:B:GLN:HE22	6	0.52
(3,1267)	1:136:B:LYS:HG3	1:138:B:LEU:HD22	7	0.52
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	17	0.52
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD2	8	0.52
(3,1185)	1:73:B:ILE:HD13	1:109:B:ARG:HD3	12	0.52
(3,1181)	1:74:B:VAL:HB	1:75:B:LEU:HG	11	0.52
(3,1149)	1:52:B:HIS:HB3	1:56:B:GLN:HA	20	0.52
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE2	10	0.52
(3,973)	1:66:B:PHE:HE2	1:55:B:VAL:HA	20	0.52
(3,936)	1:32:B:VAL:HG21	1:35:B:ALA:HA	4	0.52
(3,934)	1:97:B:VAL:HG22	1:118:B:LEU:HD13	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,908)	1:98:B:LEU:HD13	1:115:B:VAL:HG12	11	0.52
(3,893)	1:98:B:LEU:HD21	1:118:B:LEU:HD11	20	0.52
(3,842)	1:102:B:MET:HE2	1:114:B:ILE:HD12	12	0.52
(3,840)	1:102:B:MET:HE1	1:111:B:ARG:HG2	15	0.52
(3,838)	1:102:B:MET:HE1	1:99:B:GLY:HA3	7	0.52
(3,811)	1:107:B:ALA:HB2	1:109:B:ARG:HB2	1	0.52
(3,691)	1:22:B:LEU:HD22	1:21:B:TYR:HB3	2	0.52
(3,691)	1:22:B:LEU:HD21	1:21:B:TYR:HB3	7	0.52
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG21	12	0.52
(3,658)	1:95:B:ASP:HB3	1:132:B:LYS:HB3	12	0.52
(3,632)	1:119:B:LEU:HD13	1:120:B:ALA:H	10	0.52
(3,591)	1:20:B:LEU:HD22	1:23:B:ALA:H	5	0.52
(3,591)	1:20:B:LEU:HD21	1:40:B:LEU:H	18	0.52
(3,585)	1:121:B:LEU:HD13	1:81:B:GLU:H	1	0.52
(3,525)	1:126:B:GLU:HG2	1:124:B:VAL:HA	7	0.52
(3,451)	1:86:B:ARG:HD3	1:82:B:LEU:HD11	9	0.52
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD23	19	0.52
(3,325)	1:141:B:SER:H	1:128:B:ARG:HB3	13	0.52
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD11	10	0.52
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG13	1	0.52
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	12	0.52
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	12	0.52
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	12	0.52
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	7	0.52
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	7	0.52
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	7	0.52
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	7	0.52
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	7	0.52
(1,2592)	1:15:B:ALA:HB2	1:57:B:MET:HE3	5	0.52
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	17	0.52
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	17	0.52
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	17	0.52
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	1	0.52
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG11	17	0.52
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG12	17	0.52
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG13	17	0.52
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	11	0.52
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	11	0.52
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	11	0.52
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG11	17	0.52
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG12	17	0.52
(1,2203)	1:69:B:LYS:HB3	1:63:B:VAL:HG13	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	17	0.52
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	17	0.52
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	17	0.52
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	5	0.52
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	5	0.52
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	5	0.52
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	5	0.52
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	5	0.52
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	5	0.52
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	5	0.52
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	5	0.52
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	5	0.52
(1,2044)	1:111:B:ARG:HG2	1:102:B:MET:HE1	15	0.52
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	14	0.52
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	14	0.52
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	14	0.52
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	17	0.52
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	17	0.52
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	17	0.52
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	9	0.52
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	9	0.52
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	9	0.52
(1,1746)	1:17:B:LEU:HD11	1:9:B:TRP:HZ2	6	0.52
(1,1746)	1:17:B:LEU:HD12	1:9:B:TRP:HZ2	6	0.52
(1,1746)	1:17:B:LEU:HD13	1:9:B:TRP:HZ2	6	0.52
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	6	0.52
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	6	0.52
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	6	0.52
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	12	0.52
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	12	0.52
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	12	0.52
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	16	0.52
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	16	0.52
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	16	0.52
(1,1522)	1:97:B:VAL:HG21	1:92:B:ARG:HB2	7	0.52
(1,1522)	1:97:B:VAL:HG22	1:92:B:ARG:HB2	7	0.52
(1,1522)	1:97:B:VAL:HG23	1:92:B:ARG:HB2	7	0.52
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	9	0.52
(1,1422)	1:105:B:ILE:HG21	1:109:B:ARG:HD3	1	0.52
(1,1422)	1:105:B:ILE:HG22	1:109:B:ARG:HD3	1	0.52
(1,1422)	1:105:B:ILE:HG23	1:109:B:ARG:HD3	1	0.52
(1,1167)	1:119:B:LEU:HD11	1:127:B:ARG:HA	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:119:B:LEU:HD12	1:127:B:ARG:HA	10	0.52
(1,1167)	1:119:B:LEU:HD13	1:127:B:ARG:HA	10	0.52
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	17	0.52
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	17	0.52
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	17	0.52
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD21	17	0.52
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD22	17	0.52
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD23	17	0.52
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	20	0.52
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	20	0.52
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	20	0.52
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	20	0.52
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	20	0.52
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	20	0.52
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	20	0.52
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	20	0.52
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	20	0.52
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG11	20	0.52
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG12	20	0.52
(1,955)	1:131:B:TYR:HE1	1:115:B:VAL:HG13	20	0.52
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG11	20	0.52
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG12	20	0.52
(1,955)	1:131:B:TYR:HE2	1:115:B:VAL:HG13	20	0.52
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	12	0.52
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	3	0.52
(3,1875)	1:118:B:LEU:HD12	1:123:B:LEU:HB2	6	0.51
(3,1875)	1:118:B:LEU:HD11	1:123:B:LEU:HB2	18	0.51
(3,1874)	1:118:B:LEU:HD12	1:84:B:LEU:HG	5	0.51
(3,1873)	1:118:B:LEU:HD11	1:119:B:LEU:HA	10	0.51
(3,1872)	1:118:B:LEU:HD21	1:115:B:VAL:H	7	0.51
(3,1851)	1:9:B:TRP:HZ2	1:17:B:LEU:HA	19	0.51
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	11	0.51
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG22	20	0.51
(3,1659)	1:33:B:VAL:HB	1:33:B:VAL:H	6	0.51
(3,1580)	1:40:B:LEU:HD11	1:16:B:HIS:HD2	6	0.51
(3,1578)	1:98:B:LEU:HD13	1:97:B:VAL:H	15	0.51
(3,1578)	1:98:B:LEU:HD12	1:97:B:VAL:H	16	0.51
(3,1576)	1:22:B:LEU:HD12	1:18:B:ARG:HD3	6	0.51
(3,1575)	1:40:B:LEU:HD13	1:41:B:ASN:HB3	9	0.51
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	10	0.51
(3,1556)	1:42:B:THR:HA	1:41:B:ASN:HB3	12	0.51
(3,1486)	1:50:B:ILE:HG21	1:33:B:VAL:H	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1486)	1:50:B:ILE:HG23	1:34:B:GLU:H	16	0.51
(3,1484)	1:50:B:ILE:HG21	1:55:B:VAL:H	12	0.51
(3,1454)	1:51:B:ILE:HD13	1:49:B:GLN:H	20	0.51
(3,1434)	1:51:B:ILE:HG22	1:54:B:LEU:HB3	9	0.51
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	14	0.51
(3,1379)	1:54:B:LEU:HD12	1:52:B:HIS:HA	7	0.51
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG13	18	0.51
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	14	0.51
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD11	4	0.51
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG12	5	0.51
(3,1189)	1:73:B:ILE:HG22	1:113:B:ARG:HB3	3	0.51
(3,1187)	1:73:B:ILE:HD11	1:73:B:ILE:HB	12	0.51
(3,1187)	1:73:B:ILE:HD12	1:73:B:ILE:HB	16	0.51
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	18	0.51
(3,1114)	1:82:B:LEU:HD13	1:79:B:ASP:HB3	18	0.51
(3,1038)	1:20:B:LEU:HD13	1:19:B:GLU:H	4	0.51
(3,1036)	1:20:B:LEU:HD13	1:19:B:GLU:HG3	11	0.51
(3,928)	1:97:B:VAL:HG13	1:95:B:ASP:HB3	13	0.51
(3,925)	1:97:B:VAL:HG11	1:124:B:VAL:HG13	14	0.51
(3,897)	1:98:B:LEU:HD23	1:101:B:ILE:HB	11	0.51
(3,862)	1:101:B:ILE:HD12	1:98:B:LEU:HB3	7	0.51
(3,837)	1:102:B:MET:HE3	1:111:B:ARG:HA	19	0.51
(3,830)	1:31:B:ASP:HB3	1:30:B:GLN:HE21	19	0.51
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD12	10	0.51
(3,714)	1:97:B:VAL:HG22	1:89:B:GLU:H	13	0.51
(3,683)	1:84:B:LEU:HD13	1:84:B:LEU:HB2	13	0.51
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	12	0.51
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG22	5	0.51
(3,677)	1:115:B:VAL:HB	1:119:B:LEU:HD23	20	0.51
(3,619)	1:119:B:LEU:HD13	1:126:B:GLU:HB2	12	0.51
(3,611)	1:120:B:ALA:HB1	1:119:B:LEU:HB2	3	0.51
(3,602)	1:121:B:LEU:HD12	1:85:B:GLN:HG2	19	0.51
(3,585)	1:121:B:LEU:HD11	1:81:B:GLU:H	12	0.51
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	16	0.51
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD22	7	0.51
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	16	0.51
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD2	19	0.51
(3,284)	1:122:B:GLY:H	1:123:B:LEU:HD22	10	0.51
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	1	0.51
(1,2683)	1:6:B:ALA:HB1	1:7:B:PRO:HD2	10	0.51
(1,2683)	1:6:B:ALA:HB2	1:7:B:PRO:HD2	10	0.51
(1,2683)	1:6:B:ALA:HB3	1:7:B:PRO:HD2	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE3	7	0.51
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE2	9	0.51
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	16	0.51
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	16	0.51
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	16	0.51
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	16	0.51
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	16	0.51
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	16	0.51
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	16	0.51
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	16	0.51
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	16	0.51
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	1	0.51
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	16	0.51
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	16	0.51
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	16	0.51
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG2	3	0.51
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	2	0.51
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	2	0.51
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	2	0.51
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	8	0.51
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	8	0.51
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	8	0.51
(1,2282)	1:43:B:VAL:HG12	1:49:B:GLN:HB3	14	0.51
(1,2177)	1:50:B:ILE:HD11	1:37:B:LEU:HB3	1	0.51
(1,2177)	1:50:B:ILE:HD12	1:37:B:LEU:HB3	1	0.51
(1,2177)	1:50:B:ILE:HD13	1:37:B:LEU:HB3	1	0.51
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	3	0.51
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	3	0.51
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	3	0.51
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG21	11	0.51
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG22	11	0.51
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG23	11	0.51
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG21	11	0.51
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG22	11	0.51
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG23	11	0.51
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG21	11	0.51
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG22	11	0.51
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG23	11	0.51
(1,2117)	1:52:B:HIS:HE1	1:48:B:LYS:HE3	7	0.51
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	7	0.51
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	7	0.51
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	7	0.51
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	7	0.51
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	7	0.51
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	7	0.51
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	7	0.51
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	7	0.51
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	7	0.51
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	7	0.51
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	7	0.51
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	7	0.51
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	7	0.51
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	7	0.51
(1,1960)	1:61:B:ASP:HA	1:65:B:ASP:H	2	0.51
(1,1914)	1:64:B:LYS:HD3	1:64:B:LYS:HA	17	0.51
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	11	0.51
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	1	0.51
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	1	0.51
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	1	0.51
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	20	0.51
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	20	0.51
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	20	0.51
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	1	0.51
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	1	0.51
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	1	0.51
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD11	1	0.51
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD12	1	0.51
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD13	1	0.51
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG11	8	0.51
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG12	8	0.51
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG13	8	0.51
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD21	15	0.51
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD22	15	0.51
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD23	15	0.51
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD21	15	0.51
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD22	15	0.51
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD23	15	0.51
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD21	15	0.51
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD22	15	0.51
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD23	15	0.51
(1,1286)	1:114:B:ILE:HD11	1:109:B:ARG:HD2	8	0.51
(1,1286)	1:114:B:ILE:HD12	1:109:B:ARG:HD2	8	0.51
(1,1286)	1:114:B:ILE:HD13	1:109:B:ARG:HD2	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	1	0.51
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	1	0.51
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	1	0.51
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	4	0.51
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	4	0.51
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	4	0.51
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	7	0.51
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	7	0.51
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	7	0.51
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	17	0.51
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	17	0.51
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	17	0.51
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	2	0.51
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	2	0.51
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	2	0.51
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	20	0.51
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	20	0.51
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	20	0.51
(1,897)	1:33:B:VAL:HG11	1:51:B:ILE:HA	16	0.51
(1,897)	1:33:B:VAL:HG12	1:51:B:ILE:HA	16	0.51
(1,897)	1:33:B:VAL:HG13	1:51:B:ILE:HA	16	0.51
(1,885)	1:40:B:LEU:HD21	1:9:B:TRP:HZ3	11	0.51
(1,885)	1:40:B:LEU:HD22	1:9:B:TRP:HZ3	11	0.51
(1,885)	1:40:B:LEU:HD23	1:9:B:TRP:HZ3	11	0.51
(1,837)	1:45:B:ARG:HE	1:53:B:HIS:HD2	20	0.51
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD21	14	0.51
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD22	14	0.51
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD23	14	0.51
(1,414)	1:65:B:ASP:H	1:65:B:ASP:HB3	16	0.51
(1,285)	1:46:B:THR:H	1:49:B:GLN:HG2	16	0.51
(1,31)	1:9:B:TRP:H	1:9:B:TRP:HD1	12	0.51
(3,1902)	1:76:B:TRP:HZ3	1:84:B:LEU:HD13	6	0.5
(3,1872)	1:118:B:LEU:HD21	1:115:B:VAL:H	12	0.5
(3,1833)	1:9:B:TRP:HD1	1:53:B:HIS:HB2	13	0.5
(3,1802)	1:15:B:ALA:HB1	1:14:B:GLU:HB3	13	0.5
(3,1794)	1:16:B:HIS:HD2	1:40:B:LEU:HB2	4	0.5
(3,1791)	1:16:B:HIS:HB3	1:40:B:LEU:HG	14	0.5
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD11	1	0.5
(3,1645)	1:89:B:GLU:HG2	1:123:B:LEU:HD11	18	0.5
(3,1617)	1:36:B:ILE:HA	1:40:B:LEU:HB3	6	0.5
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD12	3	0.5
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD13	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1485)	1:50:B:ILE:HG21	1:49:B:GLN:H	4	0.5
(3,1450)	1:51:B:ILE:HG21	1:66:B:PHE:HE1	1	0.5
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	12	0.5
(3,1404)	1:83:B:GLU:HA	1:106:B:THR:HG21	2	0.5
(3,1376)	1:54:B:LEU:HD12	1:60:B:ALA:HB2	18	0.5
(3,1374)	1:54:B:LEU:HD12	1:53:B:HIS:HB2	1	0.5
(3,1338)	1:57:B:MET:HE1	1:57:B:MET:HB3	11	0.5
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	13	0.5
(3,1214)	1:73:B:ILE:HG12	1:72:B:HIS:HB3	13	0.5
(3,1190)	1:73:B:ILE:HG23	1:74:B:VAL:HB	2	0.5
(3,1186)	1:73:B:ILE:HD11	1:74:B:VAL:HB	6	0.5
(3,1185)	1:73:B:ILE:HD11	1:109:B:ARG:HD3	13	0.5
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	10	0.5
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	12	0.5
(3,1099)	1:83:B:GLU:HG3	1:105:B:ILE:HG12	20	0.5
(3,1038)	1:20:B:LEU:HD13	1:19:B:GLU:H	12	0.5
(3,1036)	1:20:B:LEU:HD12	1:19:B:GLU:HG3	9	0.5
(3,1005)	1:89:B:GLU:HG2	1:86:B:ARG:H	11	0.5
(3,1005)	1:83:B:GLU:HG2	1:86:B:ARG:H	18	0.5
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	7	0.5
(3,912)	1:98:B:LEU:HD21	1:131:B:TYR:HD1	14	0.5
(3,908)	1:98:B:LEU:HD12	1:115:B:VAL:HG13	3	0.5
(3,908)	1:98:B:LEU:HD12	1:115:B:VAL:HG12	15	0.5
(3,691)	1:22:B:LEU:HD21	1:21:B:TYR:HB3	14	0.5
(3,665)	1:116:B:ASP:HB3	1:73:B:ILE:HG23	15	0.5
(3,620)	1:119:B:LEU:HD12	1:124:B:VAL:HB	18	0.5
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	14	0.5
(3,611)	1:120:B:ALA:HB1	1:119:B:LEU:HB2	15	0.5
(3,550)	1:124:B:VAL:HG12	1:118:B:LEU:HB3	7	0.5
(3,546)	1:124:B:VAL:HG21	1:127:B:ARG:HA	5	0.5
(3,533)	1:126:B:GLU:HG3	1:128:B:ARG:HG2	12	0.5
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	17	0.5
(3,356)	1:130:B:LEU:HD23	1:88:B:PHE:HE1	20	0.5
(3,164)	1:76:B:TRP:HE1	1:109:B:ARG:HG2	15	0.5
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG11	7	0.5
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG21	14	0.5
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	15	0.5
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	15	0.5
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	15	0.5
(1,2760)	1:128:B:ARG:HB3	1:131:B:TYR:HE1	5	0.5
(1,2760)	1:128:B:ARG:HB3	1:131:B:TYR:HE2	5	0.5
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	14	0.5
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	14	0.5
(1,2658)	1:8:B:THR:HB	1:9:B:TRP:HD1	13	0.5
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	9	0.5
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	9	0.5
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	9	0.5
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	5	0.5
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	8	0.5
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	10	0.5
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	17	0.5
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	16	0.5
(1,2294)	1:43:B:VAL:HG11	1:44:B:PRO:HD2	12	0.5
(1,2294)	1:43:B:VAL:HG12	1:44:B:PRO:HD2	12	0.5
(1,2294)	1:43:B:VAL:HG13	1:44:B:PRO:HD2	12	0.5
(1,2282)	1:43:B:VAL:HG12	1:49:B:GLN:HG3	2	0.5
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	6	0.5
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	6	0.5
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	6	0.5
(1,2197)	1:49:B:GLN:HG2	1:45:B:ARG:HG3	18	0.5
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	1	0.5
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	1	0.5
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	1	0.5
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD2	16	0.5
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	5	0.5
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	5	0.5
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	5	0.5
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	6	0.5
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	6	0.5
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	6	0.5
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	8	0.5
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	8	0.5
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	8	0.5
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	20	0.5
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	20	0.5
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	20	0.5
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG11	6	0.5
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG12	6	0.5
(1,1913)	1:64:B:LYS:HG3	1:63:B:VAL:HG13	6	0.5
(1,1808)	1:74:B:VAL:HG12	1:75:B:LEU:HG	3	0.5
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	9	0.5
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	20	0.5
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	20	0.5
(1,1388)	1:106:B:THR:HG21	1:80:B:GLN:HG2	8	0.5
(1,1388)	1:106:B:THR:HG22	1:80:B:GLN:HG2	8	0.5
(1,1388)	1:106:B:THR:HG23	1:80:B:GLN:HG2	8	0.5
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	19	0.5
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	19	0.5
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	19	0.5
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	5	0.5
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	5	0.5
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	5	0.5
(1,1271)	1:114:B:ILE:HG12	1:76:B:TRP:HH2	18	0.5
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	7	0.5
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	7	0.5
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	7	0.5
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG3	13	0.5
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG3	13	0.5
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG3	13	0.5
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	4	0.5
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	4	0.5
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	4	0.5
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	9	0.5
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	9	0.5
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	9	0.5
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	18	0.5
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	18	0.5
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	18	0.5
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	16	0.5
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	16	0.5
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	16	0.5
(1,883)	1:40:B:LEU:HD11	1:43:B:VAL:H	6	0.5
(1,883)	1:40:B:LEU:HD12	1:43:B:VAL:H	6	0.5
(1,883)	1:40:B:LEU:HD13	1:43:B:VAL:H	6	0.5
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD1	9	0.5
(1,837)	1:45:B:ARG:HE	1:53:B:HIS:HD2	1	0.5
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	6	0.5
(3,1898)	1:88:B:PHE:HE2	1:88:B:PHE:H	2	0.49
(3,1873)	1:118:B:LEU:HD13	1:119:B:LEU:HA	5	0.49
(3,1867)	1:118:B:LEU:HD13	1:124:B:VAL:H	11	0.49
(3,1785)	1:16:B:HIS:HD2	1:13:B:GLU:HA	12	0.49
(3,1785)	1:16:B:HIS:HD2	1:13:B:GLU:HA	16	0.49
(3,1773)	1:17:B:LEU:HD12	1:57:B:MET:H	10	0.49
(3,1770)	1:17:B:LEU:HD23	1:13:B:GLU:HG2	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1671)	1:32:B:VAL:HG11	1:66:B:PHE:H	15	0.49
(3,1665)	1:32:B:VAL:HG12	1:37:B:LEU:HG	3	0.49
(3,1664)	1:32:B:VAL:HG12	1:37:B:LEU:HG	3	0.49
(3,1655)	1:33:B:VAL:HA	1:33:B:VAL:HG22	4	0.49
(3,1628)	1:35:B:ALA:HB1	1:32:B:VAL:HG21	14	0.49
(3,1576)	1:22:B:LEU:HD11	1:18:B:ARG:HD3	19	0.49
(3,1575)	1:40:B:LEU:HD12	1:45:B:ARG:HD3	14	0.49
(3,1545)	1:43:B:VAL:HG13	1:45:B:ARG:HB3	3	0.49
(3,1486)	1:50:B:ILE:HG22	1:33:B:VAL:H	11	0.49
(3,1435)	1:51:B:ILE:HG23	1:48:B:LYS:HG2	10	0.49
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	5	0.49
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	4	0.49
(3,1386)	1:54:B:LEU:HD21	1:17:B:LEU:HD21	20	0.49
(3,1379)	1:54:B:LEU:HD13	1:52:B:HIS:HA	14	0.49
(3,1340)	1:57:B:MET:HE1	1:60:B:ALA:H	19	0.49
(3,1258)	1:66:B:PHE:HB2	1:51:B:ILE:HD12	10	0.49
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	5	0.49
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	20	0.49
(3,1187)	1:73:B:ILE:HD11	1:73:B:ILE:HB	1	0.49
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	14	0.49
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE1	17	0.49
(3,1038)	1:20:B:LEU:HD11	1:19:B:GLU:H	1	0.49
(3,932)	1:97:B:VAL:HG11	1:91:B:PHE:HB2	12	0.49
(3,915)	1:37:B:LEU:HD13	1:37:B:LEU:H	5	0.49
(3,862)	1:101:B:ILE:HD11	1:98:B:LEU:HB3	10	0.49
(3,862)	1:101:B:ILE:HD11	1:98:B:LEU:HB3	12	0.49
(3,776)	1:123:B:LEU:HG	1:121:B:LEU:H	15	0.49
(3,748)	1:114:B:ILE:HD13	1:109:B:ARG:HB3	11	0.49
(3,747)	1:114:B:ILE:HD13	1:105:B:ILE:HG12	20	0.49
(3,722)	1:27:B:VAL:HG12	1:30:B:GLN:HE21	17	0.49
(3,709)	1:115:B:VAL:HG11	1:119:B:LEU:H	5	0.49
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG23	1	0.49
(3,678)	1:63:B:VAL:HB	1:51:B:ILE:HG22	11	0.49
(3,622)	1:119:B:LEU:HD13	1:116:B:ASP:HA	10	0.49
(3,620)	1:119:B:LEU:HD13	1:124:B:VAL:HB	2	0.49
(3,620)	1:119:B:LEU:HD13	1:124:B:VAL:HB	14	0.49
(3,590)	1:84:B:LEU:HD21	1:85:B:GLN:H	14	0.49
(3,589)	1:84:B:LEU:HD21	1:118:B:LEU:H	5	0.49
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD12	19	0.49
(3,429)	1:137:B:LYS:HA	1:137:B:LYS:HG3	12	0.49
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD12	4	0.49
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD13	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG12	1	0.49
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	5	0.49
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	5	0.49
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	5	0.49
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	13	0.49
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	13	0.49
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	13	0.49
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	18	0.49
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	18	0.49
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	18	0.49
(1,2751)	1:108:B:LYS:HG2	1:108:B:LYS:H	6	0.49
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	1	0.49
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	1	0.49
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	1	0.49
(1,2619)	1:11:B:PRO:HA	1:14:B:GLU:HB2	16	0.49
(1,2592)	1:15:B:ALA:HB2	1:57:B:MET:HE1	10	0.49
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD21	11	0.49
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD22	11	0.49
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD23	11	0.49
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD21	11	0.49
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD22	11	0.49
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD23	11	0.49
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD21	11	0.49
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD22	11	0.49
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD23	11	0.49
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	1	0.49
(1,2450)	1:61:B:ASP:HB2	1:64:B:LYS:H	18	0.49
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	19	0.49
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	11	0.49
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	19	0.49
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	19	0.49
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	19	0.49
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	2	0.49
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	2	0.49
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	2	0.49
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	11	0.49
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	11	0.49
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	11	0.49
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD11	5	0.49
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD12	5	0.49
(1,2073)	1:118:B:LEU:HA	1:118:B:LEU:HD13	5	0.49
(1,2062)	1:55:B:VAL:HG11	1:55:B:VAL:H	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2062)	1:55:B:VAL:HG12	1:55:B:VAL:H	3	0.49
(1,2062)	1:55:B:VAL:HG13	1:55:B:VAL:H	3	0.49
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	15	0.49
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	15	0.49
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	15	0.49
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	16	0.49
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	16	0.49
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	16	0.49
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	16	0.49
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	16	0.49
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	16	0.49
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	19	0.49
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	19	0.49
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	19	0.49
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	18	0.49
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	18	0.49
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	18	0.49
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	15	0.49
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	15	0.49
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	15	0.49
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	15	0.49
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	15	0.49
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	15	0.49
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	15	0.49
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	15	0.49
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	15	0.49
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	11	0.49
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	11	0.49
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	11	0.49
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	7	0.49
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	7	0.49
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	7	0.49
(1,1763)	1:82:B:LEU:HD11	1:85:B:GLN:HE22	5	0.49
(1,1763)	1:82:B:LEU:HD12	1:85:B:GLN:HE22	5	0.49
(1,1763)	1:82:B:LEU:HD13	1:85:B:GLN:HE22	5	0.49
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	18	0.49
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	19	0.49
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE3	5	0.49
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD11	6	0.49
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD12	6	0.49
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD13	6	0.49
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD11	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD12	6	0.49
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD13	6	0.49
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD11	6	0.49
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD12	6	0.49
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD13	6	0.49
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	4	0.49
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	4	0.49
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	4	0.49
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	12	0.49
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	12	0.49
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	12	0.49
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	10	0.49
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	10	0.49
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	10	0.49
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	6	0.49
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	6	0.49
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	6	0.49
(1,1096)	1:123:B:LEU:HD21	1:85:B:GLN:HG3	3	0.49
(1,1096)	1:123:B:LEU:HD22	1:85:B:GLN:HG3	3	0.49
(1,1096)	1:123:B:LEU:HD23	1:85:B:GLN:HG3	3	0.49
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	17	0.49
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	17	0.49
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	17	0.49
(1,886)	1:40:B:LEU:HD21	1:9:B:TRP:HH2	10	0.49
(1,886)	1:40:B:LEU:HD22	1:9:B:TRP:HH2	10	0.49
(1,886)	1:40:B:LEU:HD23	1:9:B:TRP:HH2	10	0.49
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD2	5	0.49
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG3	19	0.49
(1,622)	1:97:B:VAL:H	1:97:B:VAL:HG11	8	0.49
(1,622)	1:97:B:VAL:H	1:97:B:VAL:HG12	8	0.49
(1,622)	1:97:B:VAL:H	1:97:B:VAL:HG13	8	0.49
(1,543)	1:85:B:GLN:HE22	1:121:B:LEU:HG	4	0.49
(1,251)	1:40:B:LEU:H	1:40:B:LEU:HG	11	0.49
(1,6)	1:4:B:ARG:H	1:4:B:ARG:HB2	14	0.49
(3,1876)	1:118:B:LEU:HD13	1:114:B:ILE:HG22	10	0.48
(3,1872)	1:118:B:LEU:HD23	1:115:B:VAL:H	5	0.48
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG21	10	0.48
(3,1802)	1:15:B:ALA:HB2	1:14:B:GLU:HB3	3	0.48
(3,1800)	1:15:B:ALA:HB1	1:22:B:LEU:HD13	4	0.48
(3,1752)	1:113:B:ARG:HD2	1:74:B:VAL:HG12	18	0.48
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG21	19	0.48
(3,1655)	1:33:B:VAL:HA	1:33:B:VAL:HG22	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1622)	1:36:B:ILE:HG23	1:20:B:LEU:HG	12	0.48
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD13	17	0.48
(3,1581)	1:40:B:LEU:HD13	1:39:B:HIS:H	11	0.48
(3,1576)	1:22:B:LEU:HD12	1:18:B:ARG:HD3	8	0.48
(3,1435)	1:51:B:ILE:HG22	1:48:B:LYS:HG2	19	0.48
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	17	0.48
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	18	0.48
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	3	0.48
(3,1379)	1:54:B:LEU:HD11	1:52:B:HIS:HA	4	0.48
(3,1379)	1:54:B:LEU:HD11	1:52:B:HIS:HA	13	0.48
(3,1338)	1:57:B:MET:HE3	1:57:B:MET:HB3	1	0.48
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	18	0.48
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	7	0.48
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB2	12	0.48
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	17	0.48
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	16	0.48
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG23	4	0.48
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	1	0.48
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE1	4	0.48
(3,1044)	1:86:B:ARG:HG3	1:85:B:GLN:H	3	0.48
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	11	0.48
(3,939)	1:97:B:VAL:HG22	1:92:B:ARG:H	8	0.48
(3,927)	1:97:B:VAL:HG11	1:98:B:LEU:HG	8	0.48
(3,911)	1:37:B:LEU:HD13	1:67:B:GLN:HE22	8	0.48
(3,908)	1:98:B:LEU:HD13	1:115:B:VAL:HG12	7	0.48
(3,894)	1:37:B:LEU:HD13	1:31:B:ASP:HB3	16	0.48
(3,807)	1:107:B:ALA:HB3	1:74:B:VAL:HG13	19	0.48
(3,725)	1:47:B:ARG:HB3	1:37:B:LEU:HD22	5	0.48
(3,674)	1:63:B:VAL:HB	1:51:B:ILE:HD11	12	0.48
(3,619)	1:119:B:LEU:HD11	1:126:B:GLU:HB2	20	0.48
(3,611)	1:120:B:ALA:HB1	1:119:B:LEU:HB2	9	0.48
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	6	0.48
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	20	0.48
(3,470)	1:25:B:LYS:HE3	1:26:B:ASP:H	2	0.48
(3,441)	1:67:B:GLN:HG3	1:33:B:VAL:HG13	1	0.48
(3,406)	1:132:B:LYS:HD3	1:132:B:LYS:HA	6	0.48
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE3	20	0.48
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG21	17	0.48
(3,136)	1:101:B:ILE:H	1:100:B:HIS:HB3	12	0.48
(3,12)	1:9:B:TRP:HE1	1:50:B:ILE:HD13	3	0.48
(1,2760)	1:128:B:ARG:HB3	1:131:B:TYR:HE1	11	0.48
(1,2760)	1:128:B:ARG:HB3	1:131:B:TYR:HE2	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2751)	1:108:B:LYS:HG2	1:108:B:LYS:H	16	0.48
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	8	0.48
(1,2725)	1:53:B:HIS:HD2	1:56:B:GLN:HB2	5	0.48
(1,2699)	1:118:B:LEU:HD11	1:123:B:LEU:HA	14	0.48
(1,2699)	1:118:B:LEU:HD12	1:123:B:LEU:HA	14	0.48
(1,2699)	1:118:B:LEU:HD13	1:123:B:LEU:HA	14	0.48
(1,2662)	1:42:B:THR:HG21	1:44:B:PRO:HD2	20	0.48
(1,2662)	1:42:B:THR:HG22	1:44:B:PRO:HD2	20	0.48
(1,2662)	1:42:B:THR:HG23	1:44:B:PRO:HD2	20	0.48
(1,2552)	1:17:B:LEU:HD13	1:40:B:LEU:HG	2	0.48
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	18	0.48
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	3	0.48
(1,2282)	1:43:B:VAL:HG11	1:49:B:GLN:HB3	15	0.48
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	14	0.48
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	14	0.48
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	14	0.48
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	4	0.48
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	4	0.48
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	4	0.48
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	17	0.48
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	17	0.48
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	17	0.48
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	1	0.48
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	1	0.48
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	1	0.48
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	16	0.48
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	16	0.48
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	16	0.48
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	5	0.48
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	5	0.48
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	5	0.48
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	20	0.48
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	20	0.48
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	20	0.48
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	3	0.48
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HD11	9	0.48
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	20	0.48
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	20	0.48
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	20	0.48
(1,1822)	1:74:B:VAL:HG22	1:75:B:LEU:HB2	15	0.48
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	16	0.48
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	16	0.48
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	9	0.48
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	19	0.48
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	19	0.48
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	19	0.48
(1,1522)	1:97:B:VAL:HG21	1:92:B:ARG:HB2	9	0.48
(1,1522)	1:97:B:VAL:HG22	1:92:B:ARG:HB2	9	0.48
(1,1522)	1:97:B:VAL:HG23	1:92:B:ARG:HB2	9	0.48
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD11	5	0.48
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD12	5	0.48
(1,1470)	1:36:B:ILE:HD11	1:54:B:LEU:HD13	5	0.48
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD11	5	0.48
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD12	5	0.48
(1,1470)	1:36:B:ILE:HD12	1:54:B:LEU:HD13	5	0.48
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD11	5	0.48
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD12	5	0.48
(1,1470)	1:36:B:ILE:HD13	1:54:B:LEU:HD13	5	0.48
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB2	7	0.48
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB3	11	0.48
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD11	8	0.48
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD12	8	0.48
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD13	8	0.48
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	9	0.48
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	9	0.48
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	9	0.48
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	9	0.48
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	9	0.48
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	9	0.48
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	9	0.48
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	9	0.48
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	9	0.48
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG11	5	0.48
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG12	5	0.48
(1,1205)	1:116:B:ASP:HA	1:124:B:VAL:HG13	5	0.48
(1,1138)	1:121:B:LEU:HD11	1:85:B:GLN:HB2	16	0.48
(1,1110)	1:55:B:VAL:HG21	1:56:B:GLN:H	3	0.48
(1,1110)	1:55:B:VAL:HG22	1:56:B:GLN:H	3	0.48
(1,1110)	1:55:B:VAL:HG23	1:56:B:GLN:H	3	0.48
(1,980)	1:33:B:VAL:HG11	1:51:B:ILE:HG13	16	0.48
(1,980)	1:33:B:VAL:HG12	1:51:B:ILE:HG13	16	0.48
(1,980)	1:33:B:VAL:HG13	1:51:B:ILE:HG13	16	0.48
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	1	0.48
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	1	0.48
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	11	0.48
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	11	0.48
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	11	0.48
(1,949)	1:131:B:TYR:HE1	1:112:B:ALA:HA	6	0.48
(1,949)	1:131:B:TYR:HE2	1:112:B:ALA:HA	6	0.48
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	4	0.48
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	4	0.48
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	4	0.48
(1,879)	1:59:B:LEU:HD21	1:21:B:TYR:HD2	18	0.48
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG22	6	0.48
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	20	0.48
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	17	0.48
(1,312)	1:50:B:ILE:H	1:17:B:LEU:HD11	10	0.48
(1,312)	1:50:B:ILE:H	1:17:B:LEU:HD12	10	0.48
(1,312)	1:50:B:ILE:H	1:17:B:LEU:HD13	10	0.48
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	14	0.48
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	14	0.48
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	14	0.48
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	2	0.48
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	19	0.48
(3,1872)	1:118:B:LEU:HD23	1:115:B:VAL:H	20	0.47
(3,1733)	1:21:B:TYR:HE2	1:54:B:LEU:HG	17	0.47
(3,1628)	1:35:B:ALA:HB3	1:32:B:VAL:HG21	3	0.47
(3,1622)	1:36:B:ILE:HG21	1:20:B:LEU:HG	11	0.47
(3,1592)	1:38:B:ALA:HA	1:50:B:ILE:HD13	15	0.47
(3,1591)	1:39:B:HIS:HD2	1:36:B:ILE:HG22	14	0.47
(3,1577)	1:40:B:LEU:HD12	1:42:B:THR:HB	17	0.47
(3,1574)	1:82:B:LEU:HD12	1:85:B:GLN:HG2	7	0.47
(3,1572)	1:40:B:LEU:HD11	1:20:B:LEU:HD21	13	0.47
(3,1555)	1:42:B:THR:HA	1:43:B:VAL:HB	20	0.47
(3,1486)	1:50:B:ILE:HG22	1:34:B:GLU:H	4	0.47
(3,1474)	1:50:B:ILE:HD12	1:43:B:VAL:H	10	0.47
(3,1453)	1:51:B:ILE:HD11	1:34:B:GLU:H	14	0.47
(3,1435)	1:51:B:ILE:HG23	1:48:B:LYS:HG2	13	0.47
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	8	0.47
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD11	7	0.47
(3,1246)	1:67:B:GLN:HA	1:51:B:ILE:HD11	18	0.47
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB2	4	0.47
(3,1197)	1:73:B:ILE:HG22	1:73:B:ILE:HA	3	0.47
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG22	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1187)	1:73:B:ILE:HD13	1:73:B:ILE:HB	4	0.47
(3,1184)	1:74:B:VAL:HG22	1:107:B:ALA:HB2	4	0.47
(3,1172)	1:74:B:VAL:HG11	1:109:B:ARG:HB2	8	0.47
(3,1160)	1:72:B:HIS:HB2	1:74:B:VAL:H	15	0.47
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	5	0.47
(3,1040)	1:128:B:ARG:HD3	1:131:B:TYR:HD2	3	0.47
(3,1036)	1:20:B:LEU:HD13	1:19:B:GLU:HG3	12	0.47
(3,936)	1:32:B:VAL:HG23	1:35:B:ALA:HA	12	0.47
(3,935)	1:33:B:VAL:HG23	1:47:B:ARG:HB3	2	0.47
(3,935)	1:97:B:VAL:HG21	1:98:B:LEU:HB3	3	0.47
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	5	0.47
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG11	9	0.47
(3,837)	1:102:B:MET:HE2	1:111:B:ARG:HA	12	0.47
(3,750)	1:114:B:ILE:HG23	1:118:B:LEU:HD21	1	0.47
(3,745)	1:114:B:ILE:HD12	1:113:B:ARG:HD2	17	0.47
(3,722)	1:27:B:VAL:HG12	1:30:B:GLN:HE21	3	0.47
(3,714)	1:97:B:VAL:HG22	1:89:B:GLU:H	3	0.47
(3,712)	1:87:B:LEU:HD11	1:103:B:LYS:H	13	0.47
(3,691)	1:22:B:LEU:HD23	1:21:B:TYR:HB3	12	0.47
(3,683)	1:84:B:LEU:HD11	1:84:B:LEU:HB2	3	0.47
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	17	0.47
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	19	0.47
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD21	14	0.47
(3,593)	1:84:B:LEU:HD22	1:114:B:ILE:HG21	10	0.47
(3,585)	1:121:B:LEU:HD11	1:81:B:GLU:H	17	0.47
(3,553)	1:124:B:VAL:HG13	1:128:B:ARG:H	10	0.47
(3,537)	1:125:B:ALA:HB3	1:126:B:GLU:HG3	2	0.47
(3,533)	1:126:B:GLU:HG3	1:128:B:ARG:HG2	4	0.47
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD22	10	0.47
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	5	0.47
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	6	0.47
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	8	0.47
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	8	0.47
(3,491)	1:130:B:LEU:HD13	1:116:B:ASP:H	15	0.47
(3,435)	1:134:B:ARG:HA	1:134:B:ARG:HD3	18	0.47
(3,425)	1:134:B:ARG:HA	1:134:B:ARG:HD3	18	0.47
(3,357)	1:98:B:LEU:HD11	1:114:B:ILE:H	16	0.47
(3,172)	1:82:B:LEU:H	1:81:B:GLU:HG3	15	0.47
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG22	18	0.47
(3,26)	1:16:B:HIS:H	1:40:B:LEU:HD21	17	0.47
(2,52)	1:35:B:ALA:HB1	1:33:B:VAL:HB	6	0.47
(2,52)	1:35:B:ALA:HB2	1:33:B:VAL:HB	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,52)	1:35:B:ALA:HB3	1:33:B:VAL:HB	6	0.47
(1,2658)	1:8:B:THR:HB	1:9:B:TRP:HD1	19	0.47
(1,2619)	1:11:B:PRO:HA	1:14:B:GLU:HB2	5	0.47
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	1	0.47
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	1	0.47
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	1	0.47
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	7	0.47
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	12	0.47
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	7	0.47
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	7	0.47
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	7	0.47
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	12	0.47
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	12	0.47
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	12	0.47
(1,2335)	1:40:B:LEU:HD13	1:13:B:GLU:HG2	12	0.47
(1,2294)	1:43:B:VAL:HG11	1:44:B:PRO:HD2	1	0.47
(1,2294)	1:43:B:VAL:HG12	1:44:B:PRO:HD2	1	0.47
(1,2294)	1:43:B:VAL:HG13	1:44:B:PRO:HD2	1	0.47
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD11	19	0.47
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD12	19	0.47
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD13	19	0.47
(1,2112)	1:52:B:HIS:HD2	1:48:B:LYS:HD2	16	0.47
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	6	0.47
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	6	0.47
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	6	0.47
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	20	0.47
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	20	0.47
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	20	0.47
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	8	0.47
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	8	0.47
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	8	0.47
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	8	0.47
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	8	0.47
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	8	0.47
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	4	0.47
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	4	0.47
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	4	0.47
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	4	0.47
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	4	0.47
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	4	0.47
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	4	0.47
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	4	0.47
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	16	0.47
(1,1916)	1:25:B:LYS:HE3	1:22:B:LEU:HA	12	0.47
(1,1915)	1:64:B:LYS:HE2	1:64:B:LYS:HA	7	0.47
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	1	0.47
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	1	0.47
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	1	0.47
(1,1814)	1:74:B:VAL:HG21	1:113:B:ARG:HD2	1	0.47
(1,1814)	1:74:B:VAL:HG22	1:113:B:ARG:HD2	1	0.47
(1,1814)	1:74:B:VAL:HG23	1:113:B:ARG:HD2	1	0.47
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	15	0.47
(1,1660)	1:90:B:GLU:HA	1:90:B:GLU:HG2	5	0.47
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	18	0.47
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	18	0.47
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	18	0.47
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	14	0.47
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	6	0.47
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	6	0.47
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	6	0.47
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	16	0.47
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	16	0.47
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	16	0.47
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	5	0.47
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	5	0.47
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	5	0.47
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	11	0.47
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	11	0.47
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	11	0.47
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	19	0.47
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	19	0.47
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	19	0.47
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD2	19	0.47
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	15	0.47
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	15	0.47
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	15	0.47
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	3	0.47
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	3	0.47
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	3	0.47
(1,1247)	1:87:B:LEU:HD11	1:91:B:PHE:HZ	2	0.47
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	17	0.47
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	17	0.47
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG21	18	0.47
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG22	18	0.47
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG23	18	0.47
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG11	5	0.47
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG12	5	0.47
(1,1193)	1:119:B:LEU:HG	1:124:B:VAL:HG13	5	0.47
(1,1165)	1:119:B:LEU:HD11	1:127:B:ARG:HD3	7	0.47
(1,1165)	1:119:B:LEU:HD12	1:127:B:ARG:HD3	7	0.47
(1,1165)	1:119:B:LEU:HD13	1:127:B:ARG:HD3	7	0.47
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	16	0.47
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	16	0.47
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	16	0.47
(1,1035)	1:126:B:GLU:HG2	1:128:B:ARG:HD2	8	0.47
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	13	0.47
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	13	0.47
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	13	0.47
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	13	0.47
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	13	0.47
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	13	0.47
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	13	0.47
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	13	0.47
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	13	0.47
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	10	0.47
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	10	0.47
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	10	0.47
(1,929)	1:67:B:GLN:HG2	1:51:B:ILE:HG12	12	0.47
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	12	0.47
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	12	0.47
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	12	0.47
(1,837)	1:45:B:ARG:HE	1:53:B:HIS:HD2	2	0.47
(1,837)	1:45:B:ARG:HE	1:53:B:HIS:HD2	7	0.47
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	1	0.47
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	7	0.47
(1,435)	1:67:B:GLN:H	1:66:B:PHE:H	1	0.47
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	4	0.47
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	9	0.47
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	9	0.47
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	9	0.47
(3,1907)	1:76:B:TRP:HE3	1:74:B:VAL:HG21	5	0.46
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	13	0.46
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG23	4	0.46
(3,1833)	1:9:B:TRP:HD1	1:53:B:HIS:HB2	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1686)	1:74:B:VAL:HG11	1:75:B:LEU:HA	15	0.46
(3,1686)	1:74:B:VAL:HG13	1:75:B:LEU:HA	18	0.46
(3,1629)	1:35:B:ALA:HB3	1:30:B:GLN:HG2	5	0.46
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	13	0.46
(3,1575)	1:40:B:LEU:HD12	1:45:B:ARG:HD3	13	0.46
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	18	0.46
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	18	0.46
(3,1474)	1:50:B:ILE:HD13	1:43:B:VAL:H	7	0.46
(3,1388)	1:54:B:LEU:HD23	1:56:B:GLN:H	2	0.46
(3,1366)	1:55:B:VAL:HG12	1:65:B:ASP:H	3	0.46
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD21	5	0.46
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG12	1	0.46
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	17	0.46
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	18	0.46
(3,1247)	1:67:B:GLN:HB3	1:64:B:LYS:HG3	9	0.46
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	12	0.46
(3,1207)	1:73:B:ILE:HG22	1:109:B:ARG:HD2	6	0.46
(3,1178)	1:27:B:VAL:HG23	1:30:B:GLN:HE21	16	0.46
(3,1160)	1:72:B:HIS:HB2	1:74:B:VAL:H	8	0.46
(3,1143)	1:76:B:TRP:HD1	1:75:B:LEU:HG	13	0.46
(3,1134)	1:52:B:HIS:HB3	1:48:B:LYS:HG3	20	0.46
(3,1132)	1:72:B:HIS:HB2	1:73:B:ILE:HG12	7	0.46
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG21	5	0.46
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG22	10	0.46
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	19	0.46
(3,1036)	1:20:B:LEU:HD11	1:19:B:GLU:HG3	6	0.46
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	6	0.46
(3,911)	1:37:B:LEU:HD13	1:67:B:GLN:HE22	15	0.46
(3,895)	1:98:B:LEU:HD22	1:102:B:MET:HG3	13	0.46
(3,693)	1:33:B:VAL:HG23	1:37:B:LEU:HG	16	0.46
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	4	0.46
(3,631)	1:119:B:LEU:HD12	1:128:B:ARG:H	11	0.46
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	13	0.46
(3,609)	1:112:B:ALA:HB2	1:113:B:ARG:HB2	2	0.46
(3,553)	1:124:B:VAL:HG12	1:128:B:ARG:H	19	0.46
(3,537)	1:125:B:ALA:HB2	1:126:B:GLU:HG3	10	0.46
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	17	0.46
(3,330)	1:109:B:ARG:HE	1:101:B:ILE:HG23	12	0.46
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD3	14	0.46
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	2	0.46
(3,136)	1:101:B:ILE:H	1:100:B:HIS:HB3	3	0.46
(3,136)	1:101:B:ILE:H	1:100:B:HIS:HB3	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,86)	1:47:B:ARG:H	1:50:B:ILE:HD11	2	0.46
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG21	5	0.46
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	6	0.46
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	5	0.46
(1,2294)	1:43:B:VAL:HG11	1:44:B:PRO:HD2	7	0.46
(1,2294)	1:43:B:VAL:HG12	1:44:B:PRO:HD2	7	0.46
(1,2294)	1:43:B:VAL:HG13	1:44:B:PRO:HD2	7	0.46
(1,2282)	1:43:B:VAL:HG11	1:49:B:GLN:HB3	12	0.46
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	3	0.46
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	3	0.46
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	3	0.46
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG21	10	0.46
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG22	10	0.46
(1,2046)	1:30:B:GLN:HG3	1:27:B:VAL:HG23	10	0.46
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	5	0.46
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	5	0.46
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	5	0.46
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	4	0.46
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	4	0.46
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	4	0.46
(1,1995)	1:37:B:LEU:HD21	1:50:B:ILE:HB	20	0.46
(1,1995)	1:37:B:LEU:HD22	1:50:B:ILE:HB	20	0.46
(1,1995)	1:37:B:LEU:HD23	1:50:B:ILE:HB	20	0.46
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	13	0.46
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	13	0.46
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	13	0.46
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	7	0.46
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	7	0.46
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	7	0.46
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	12	0.46
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	12	0.46
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	12	0.46
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	20	0.46
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	20	0.46
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	20	0.46
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	5	0.46
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	5	0.46
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	5	0.46
(1,1530)	1:97:B:VAL:HG21	1:88:B:PHE:H	5	0.46
(1,1530)	1:97:B:VAL:HG22	1:88:B:PHE:H	5	0.46
(1,1530)	1:97:B:VAL:HG23	1:88:B:PHE:H	5	0.46
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD21	11	0.46
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD22	11	0.46
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD23	11	0.46
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	20	0.46
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	20	0.46
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	20	0.46
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG21	7	0.46
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	16	0.46
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	16	0.46
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	16	0.46
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	10	0.46
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	10	0.46
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	10	0.46
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD21	18	0.46
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD22	18	0.46
(1,995)	1:129:B:GLU:HG3	1:130:B:LEU:HD23	18	0.46
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	4	0.46
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	4	0.46
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	4	0.46
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	18	0.46
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	18	0.46
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	18	0.46
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	2	0.46
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	2	0.46
(1,929)	1:67:B:GLN:HG3	1:51:B:ILE:HG12	4	0.46
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG3	11	0.46
(1,898)	1:82:B:LEU:HD21	1:86:B:ARG:HD2	9	0.46
(1,898)	1:82:B:LEU:HD22	1:86:B:ARG:HD2	9	0.46
(1,898)	1:82:B:LEU:HD23	1:86:B:ARG:HD2	9	0.46
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	5	0.46
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	14	0.46
(1,454)	1:70:B:GLY:H	1:68:B:ARG:HB3	5	0.46
(1,445)	1:67:B:GLN:HE21	1:37:B:LEU:HD21	11	0.46
(1,445)	1:67:B:GLN:HE21	1:37:B:LEU:HD22	11	0.46
(1,445)	1:67:B:GLN:HE21	1:37:B:LEU:HD23	11	0.46
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG11	2	0.46
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG12	2	0.46
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG13	2	0.46
(1,31)	1:9:B:TRP:H	1:9:B:TRP:HD1	7	0.46
(1,6)	1:4:B:ARG:H	1:4:B:ARG:HB2	17	0.46
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	18	0.45
(3,1776)	1:17:B:LEU:HD21	1:53:B:HIS:HE1	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG22	13	0.45
(3,1670)	1:32:B:VAL:HG22	1:22:B:LEU:H	8	0.45
(3,1628)	1:35:B:ALA:HB3	1:32:B:VAL:HG22	2	0.45
(3,1595)	1:38:B:ALA:HB3	1:37:B:LEU:HB3	20	0.45
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	1	0.45
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	18	0.45
(3,1555)	1:42:B:THR:HA	1:43:B:VAL:HB	16	0.45
(3,1551)	1:43:B:VAL:HG23	1:45:B:ARG:HE	13	0.45
(3,1528)	1:46:B:THR:HB	1:48:B:LYS:HG3	12	0.45
(3,1484)	1:50:B:ILE:HG23	1:55:B:VAL:H	3	0.45
(3,1454)	1:51:B:ILE:HD11	1:49:B:GLN:H	5	0.45
(3,1450)	1:51:B:ILE:HG21	1:66:B:PHE:HE1	19	0.45
(3,1411)	1:19:B:GLU:HA	1:21:B:TYR:HD1	11	0.45
(3,1384)	1:54:B:LEU:HD22	1:60:B:ALA:HB3	8	0.45
(3,1379)	1:54:B:LEU:HD11	1:55:B:VAL:HA	11	0.45
(3,1374)	1:54:B:LEU:HD11	1:53:B:HIS:HB2	3	0.45
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	20	0.45
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD23	14	0.45
(3,1267)	1:136:B:LYS:HG3	1:138:B:LEU:HD21	12	0.45
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	6	0.45
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	2	0.45
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	15	0.45
(3,1099)	1:34:B:GLU:HG2	1:37:B:LEU:HB2	11	0.45
(3,1038)	1:20:B:LEU:HD12	1:19:B:GLU:H	5	0.45
(3,982)	1:66:B:PHE:HD2	1:63:B:VAL:HB	2	0.45
(3,933)	1:97:B:VAL:HG12	1:111:B:ARG:HD3	11	0.45
(3,927)	1:97:B:VAL:HG12	1:98:B:LEU:HG	15	0.45
(3,915)	1:37:B:LEU:HD13	1:37:B:LEU:H	13	0.45
(3,912)	1:98:B:LEU:HD21	1:131:B:TYR:HD1	5	0.45
(3,908)	1:98:B:LEU:HD13	1:115:B:VAL:HG12	1	0.45
(3,863)	1:36:B:ILE:HD12	1:54:B:LEU:HG	11	0.45
(3,860)	1:101:B:ILE:HD11	1:118:B:LEU:HD23	14	0.45
(3,830)	1:31:B:ASP:HB3	1:30:B:GLN:HE21	1	0.45
(3,830)	1:31:B:ASP:HB3	1:30:B:GLN:HE21	7	0.45
(3,714)	1:97:B:VAL:HG22	1:89:B:GLU:H	4	0.45
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	11	0.45
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD22	13	0.45
(3,662)	1:87:B:LEU:HA	1:90:B:GLU:HB2	13	0.45
(3,619)	1:119:B:LEU:HD12	1:126:B:GLU:HB2	11	0.45
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	8	0.45
(3,611)	1:120:B:ALA:HB3	1:119:B:LEU:HB2	16	0.45
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,585)	1:121:B:LEU:HD13	1:81:B:GLU:H	20	0.45
(3,559)	1:84:B:LEU:HD22	1:115:B:VAL:HA	13	0.45
(3,537)	1:125:B:ALA:HB3	1:126:B:GLU:HG3	1	0.45
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	10	0.45
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD21	5	0.45
(3,526)	1:126:B:GLU:HG3	1:124:B:VAL:HA	13	0.45
(3,493)	1:130:B:LEU:HD13	1:128:B:ARG:HA	3	0.45
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD13	4	0.45
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	15	0.45
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD11	5	0.45
(3,210)	1:93:B:ASP:H	1:92:B:ARG:HD3	3	0.45
(3,210)	1:93:B:ASP:H	1:92:B:ARG:HD3	11	0.45
(3,183)	1:84:B:LEU:H	1:82:B:LEU:HD13	6	0.45
(3,90)	1:48:B:LYS:H	1:33:B:VAL:HG11	13	0.45
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	19	0.45
(1,2552)	1:17:B:LEU:HD12	1:40:B:LEU:HG	12	0.45
(1,2450)	1:61:B:ASP:HB2	1:64:B:LYS:H	1	0.45
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	20	0.45
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	1	0.45
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	1	0.45
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	1	0.45
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	1	0.45
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	1	0.45
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	1	0.45
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	1	0.45
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	1	0.45
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	1	0.45
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	1	0.45
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	9	0.45
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	5	0.45
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	5	0.45
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	5	0.45
(1,2324)	1:131:B:TYR:HB2	1:128:B:ARG:HG2	12	0.45
(1,2294)	1:43:B:VAL:HG11	1:44:B:PRO:HD2	10	0.45
(1,2294)	1:43:B:VAL:HG12	1:44:B:PRO:HD2	10	0.45
(1,2294)	1:43:B:VAL:HG13	1:44:B:PRO:HD2	10	0.45
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	8	0.45
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	8	0.45
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	8	0.45
(1,2112)	1:52:B:HIS:HD2	1:48:B:LYS:HD2	10	0.45
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	8	0.45
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	8	0.45
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	15	0.45
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	15	0.45
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	15	0.45
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	11	0.45
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	11	0.45
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	11	0.45
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	11	0.45
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	11	0.45
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	11	0.45
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	13	0.45
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	13	0.45
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	13	0.45
(1,1995)	1:37:B:LEU:HD21	1:50:B:ILE:HB	6	0.45
(1,1995)	1:37:B:LEU:HD22	1:50:B:ILE:HB	6	0.45
(1,1995)	1:37:B:LEU:HD23	1:50:B:ILE:HB	6	0.45
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	19	0.45
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	19	0.45
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	19	0.45
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	19	0.45
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	19	0.45
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	19	0.45
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	19	0.45
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	19	0.45
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	19	0.45
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	18	0.45
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	18	0.45
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	18	0.45
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	7	0.45
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	7	0.45
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	7	0.45
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	13	0.45
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	13	0.45
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	13	0.45
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	9	0.45
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	9	0.45
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	9	0.45
(1,1822)	1:74:B:VAL:HG23	1:75:B:LEU:HB2	20	0.45
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	10	0.45
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	7	0.45
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	7	0.45
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	13	0.45
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	13	0.45
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	13	0.45
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG21	1	0.45
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG22	1	0.45
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG23	1	0.45
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG21	13	0.45
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG22	13	0.45
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG23	13	0.45
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	3	0.45
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	3	0.45
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	3	0.45
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD21	5	0.45
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD22	5	0.45
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD23	5	0.45
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	12	0.45
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	12	0.45
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	12	0.45
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB2	5	0.45
(1,1431)	1:103:B:LYS:HE2	1:103:B:LYS:HB2	17	0.45
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD2	14	0.45
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG23	13	0.45
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG22	15	0.45
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD21	19	0.45
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD22	19	0.45
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD23	19	0.45
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD21	19	0.45
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD22	19	0.45
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD23	19	0.45
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD21	19	0.45
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD22	19	0.45
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD23	19	0.45
(1,1286)	1:114:B:ILE:HD11	1:109:B:ARG:HD2	2	0.45
(1,1286)	1:114:B:ILE:HD12	1:109:B:ARG:HD2	2	0.45
(1,1286)	1:114:B:ILE:HD13	1:109:B:ARG:HD2	2	0.45
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	17	0.45
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	17	0.45
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	17	0.45
(1,1246)	1:87:B:LEU:HD11	1:104:B:ASN:H	5	0.45
(1,1246)	1:87:B:LEU:HD12	1:104:B:ASN:H	5	0.45
(1,1246)	1:87:B:LEU:HD13	1:104:B:ASN:H	5	0.45
(1,1246)	1:87:B:LEU:HD11	1:104:B:ASN:H	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:87:B:LEU:HD12	1:104:B:ASN:H	8	0.45
(1,1246)	1:87:B:LEU:HD13	1:104:B:ASN:H	8	0.45
(1,1246)	1:87:B:LEU:HD11	1:104:B:ASN:H	19	0.45
(1,1246)	1:87:B:LEU:HD12	1:104:B:ASN:H	19	0.45
(1,1246)	1:87:B:LEU:HD13	1:104:B:ASN:H	19	0.45
(1,1170)	1:59:B:LEU:HD11	1:21:B:TYR:HB3	11	0.45
(1,1170)	1:59:B:LEU:HD12	1:21:B:TYR:HB3	11	0.45
(1,1170)	1:59:B:LEU:HD13	1:21:B:TYR:HB3	11	0.45
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	15	0.45
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	15	0.45
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	15	0.45
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	3	0.45
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	3	0.45
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	3	0.45
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	3	0.45
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	3	0.45
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	3	0.45
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	8	0.45
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	14	0.45
(1,426)	1:66:B:PHE:H	1:66:B:PHE:HD1	12	0.45
(1,426)	1:66:B:PHE:H	1:66:B:PHE:HD2	12	0.45
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	18	0.45
(3,1898)	1:88:B:PHE:HE2	1:125:B:ALA:H	5	0.44
(3,1888)	1:87:B:LEU:HD22	1:105:B:ILE:H	10	0.44
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	11	0.44
(3,1792)	1:16:B:HIS:HB3	1:43:B:VAL:HG23	20	0.44
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG22	8	0.44
(3,1679)	1:30:B:GLN:HB3	1:27:B:VAL:H	3	0.44
(3,1670)	1:32:B:VAL:HG21	1:22:B:LEU:H	7	0.44
(3,1583)	1:113:B:ARG:HG2	1:112:B:ALA:H	12	0.44
(3,1569)	1:40:B:LEU:HB2	1:37:B:LEU:HA	12	0.44
(3,1486)	1:50:B:ILE:HG22	1:34:B:GLU:H	20	0.44
(3,1437)	1:51:B:ILE:HG23	1:62:B:SER:HB3	17	0.44
(3,1322)	1:37:B:LEU:HD21	1:48:B:LYS:H	4	0.44
(3,1185)	1:73:B:ILE:HD13	1:109:B:ARG:HD3	8	0.44
(3,1178)	1:27:B:VAL:HG21	1:30:B:GLN:HE21	10	0.44
(3,1152)	1:76:B:TRP:HB3	1:78:B:GLY:HA2	5	0.44
(3,1149)	1:52:B:HIS:HB3	1:56:B:GLN:HA	13	0.44
(3,1143)	1:76:B:TRP:HD1	1:117:B:LYS:HB3	3	0.44
(3,1132)	1:72:B:HIS:HB2	1:73:B:ILE:HG12	8	0.44
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	2	0.44
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE1	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1036)	1:20:B:LEU:HD13	1:19:B:GLU:HG3	7	0.44
(3,934)	1:97:B:VAL:HG21	1:118:B:LEU:HD13	17	0.44
(3,862)	1:101:B:ILE:HD12	1:98:B:LEU:HB3	3	0.44
(3,841)	1:102:B:MET:HE2	1:98:B:LEU:HB2	14	0.44
(3,840)	1:102:B:MET:HE2	1:111:B:ARG:HG2	12	0.44
(3,734)	1:114:B:ILE:HG21	1:102:B:MET:HE1	6	0.44
(3,719)	1:27:B:VAL:HG13	1:30:B:GLN:HE22	7	0.44
(3,711)	1:87:B:LEU:HD12	1:91:B:PHE:H	7	0.44
(3,664)	1:116:B:ASP:HB2	1:119:B:LEU:HD22	10	0.44
(3,620)	1:119:B:LEU:HD12	1:124:B:VAL:HB	16	0.44
(3,619)	1:119:B:LEU:HD11	1:126:B:GLU:HB2	18	0.44
(3,611)	1:120:B:ALA:HB3	1:119:B:LEU:HB2	1	0.44
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	2	0.44
(3,560)	1:123:B:LEU:HD23	1:88:B:PHE:HB2	20	0.44
(3,545)	1:124:B:VAL:HG22	1:129:B:GLU:HA	5	0.44
(3,537)	1:125:B:ALA:HB2	1:126:B:GLU:HG3	3	0.44
(3,537)	1:125:B:ALA:HB2	1:126:B:GLU:HG3	6	0.44
(3,537)	1:125:B:ALA:HB2	1:126:B:GLU:HG3	9	0.44
(3,428)	1:137:B:LYS:HA	1:137:B:LYS:HD3	17	0.44
(3,381)	1:37:B:LEU:HG	1:50:B:ILE:HB	13	0.44
(3,381)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	15	0.44
(3,323)	1:139:B:ALA:H	1:137:B:LYS:HA	3	0.44
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD2	13	0.44
(3,26)	1:16:B:HIS:H	1:40:B:LEU:HD22	19	0.44
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	8	0.44
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	8	0.44
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	8	0.44
(1,2751)	1:108:B:LYS:HG2	1:108:B:LYS:H	13	0.44
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	16	0.44
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	17	0.44
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	17	0.44
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	17	0.44
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	20	0.44
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	20	0.44
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	20	0.44
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE2	17	0.44
(1,2557)	1:17:B:LEU:HD21	1:53:B:HIS:HB3	6	0.44
(1,2557)	1:17:B:LEU:HD22	1:53:B:HIS:HB3	6	0.44
(1,2557)	1:17:B:LEU:HD23	1:53:B:HIS:HB3	6	0.44
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	1	0.44
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	14	0.44
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2324)	1:131:B:TYR:HB2	1:128:B:ARG:HG3	11	0.44
(1,2282)	1:43:B:VAL:HG12	1:49:B:GLN:HB3	13	0.44
(1,2279)	1:43:B:VAL:HG21	1:45:B:ARG:HG2	8	0.44
(1,2279)	1:43:B:VAL:HG22	1:45:B:ARG:HG2	8	0.44
(1,2279)	1:43:B:VAL:HG23	1:45:B:ARG:HG2	8	0.44
(1,2197)	1:49:B:GLN:HG2	1:45:B:ARG:HG3	15	0.44
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	4	0.44
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	4	0.44
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	4	0.44
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD11	8	0.44
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD12	8	0.44
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD13	8	0.44
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD11	8	0.44
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD12	8	0.44
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD13	8	0.44
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD11	8	0.44
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD12	8	0.44
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD13	8	0.44
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD11	16	0.44
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD12	16	0.44
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD13	16	0.44
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD11	16	0.44
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD12	16	0.44
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD13	16	0.44
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD11	16	0.44
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD12	16	0.44
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD13	16	0.44
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	12	0.44
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	12	0.44
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	12	0.44
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	12	0.44
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	12	0.44
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	12	0.44
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	12	0.44
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	12	0.44
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	12	0.44
(1,2044)	1:111:B:ARG:HG2	1:102:B:MET:HE2	12	0.44
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	5	0.44
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	5	0.44
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	5	0.44
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	8	0.44
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	8	0.44
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	1	0.44
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	1	0.44
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	1	0.44
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD1	19	0.44
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	8	0.44
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	8	0.44
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	8	0.44
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG2	18	0.44
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG2	18	0.44
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG2	18	0.44
(1,1963)	1:6:B:ALA:HA	1:44:B:PRO:HG2	20	0.44
(1,1916)	1:25:B:LYS:HE3	1:22:B:LEU:HA	7	0.44
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	2	0.44
(1,1914)	1:64:B:LYS:HD3	1:64:B:LYS:HA	11	0.44
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	16	0.44
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	10	0.44
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	10	0.44
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	10	0.44
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB1	18	0.44
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB2	18	0.44
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB3	18	0.44
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	6	0.44
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	5	0.44
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	5	0.44
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	5	0.44
(1,1691)	1:20:B:LEU:HD11	1:36:B:ILE:HG12	5	0.44
(1,1691)	1:20:B:LEU:HD12	1:36:B:ILE:HG12	5	0.44
(1,1691)	1:20:B:LEU:HD13	1:36:B:ILE:HG12	5	0.44
(1,1660)	1:90:B:GLU:HA	1:90:B:GLU:HG2	18	0.44
(1,1578)	1:92:B:ARG:HB3	1:89:B:GLU:HA	11	0.44
(1,1390)	1:106:B:THR:HG21	1:105:B:ILE:HB	1	0.44
(1,1390)	1:106:B:THR:HG22	1:105:B:ILE:HB	1	0.44
(1,1390)	1:106:B:THR:HG23	1:105:B:ILE:HB	1	0.44
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG23	9	0.44
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	7	0.44
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	7	0.44
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	7	0.44
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	11	0.44
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	11	0.44
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	11	0.44
(1,1154)	1:120:B:ALA:HB1	1:121:B:LEU:HD11	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:120:B:ALA:HB1	1:121:B:LEU:HD12	4	0.44
(1,1154)	1:120:B:ALA:HB1	1:121:B:LEU:HD13	4	0.44
(1,1154)	1:120:B:ALA:HB2	1:121:B:LEU:HD11	4	0.44
(1,1154)	1:120:B:ALA:HB2	1:121:B:LEU:HD12	4	0.44
(1,1154)	1:120:B:ALA:HB2	1:121:B:LEU:HD13	4	0.44
(1,1154)	1:120:B:ALA:HB3	1:121:B:LEU:HD11	4	0.44
(1,1154)	1:120:B:ALA:HB3	1:121:B:LEU:HD12	4	0.44
(1,1154)	1:120:B:ALA:HB3	1:121:B:LEU:HD13	4	0.44
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	19	0.44
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	19	0.44
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	19	0.44
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	14	0.44
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	14	0.44
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	14	0.44
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	14	0.44
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	14	0.44
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	14	0.44
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	14	0.44
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	14	0.44
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	14	0.44
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG2	4	0.44
(1,897)	1:33:B:VAL:HG11	1:51:B:ILE:HA	15	0.44
(1,897)	1:33:B:VAL:HG12	1:51:B:ILE:HA	15	0.44
(1,897)	1:33:B:VAL:HG13	1:51:B:ILE:HA	15	0.44
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	16	0.44
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG3	10	0.44
(1,444)	1:67:B:GLN:HE21	1:33:B:VAL:HG11	11	0.44
(1,444)	1:67:B:GLN:HE21	1:33:B:VAL:HG12	11	0.44
(1,444)	1:67:B:GLN:HE21	1:33:B:VAL:HG13	11	0.44
(1,425)	1:66:B:PHE:H	1:67:B:GLN:HB2	1	0.44
(3,1898)	1:88:B:PHE:HE2	1:88:B:PHE:H	16	0.43
(3,1785)	1:16:B:HIS:HD2	1:13:B:GLU:HA	6	0.43
(3,1776)	1:17:B:LEU:HD22	1:53:B:HIS:HE1	7	0.43
(3,1776)	1:17:B:LEU:HD22	1:53:B:HIS:HE1	20	0.43
(3,1659)	1:33:B:VAL:HB	1:33:B:VAL:H	18	0.43
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD11	3	0.43
(3,1595)	1:38:B:ALA:HB2	1:37:B:LEU:HB3	6	0.43
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	16	0.43
(3,1521)	1:128:B:ARG:HD2	1:126:B:GLU:HG3	12	0.43
(3,1502)	1:133:B:LYS:HB3	1:134:B:ARG:HD3	11	0.43
(3,1484)	1:50:B:ILE:HG23	1:55:B:VAL:H	1	0.43
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1376)	1:54:B:LEU:HD11	1:32:B:VAL:HG13	7	0.43
(3,1374)	1:54:B:LEU:HD13	1:53:B:HIS:HB2	6	0.43
(3,1360)	1:55:B:VAL:HG13	1:63:B:VAL:HB	8	0.43
(3,1180)	1:74:B:VAL:HG21	1:76:B:TRP:HZ3	19	0.43
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG21	12	0.43
(3,1098)	1:34:B:GLU:HG2	1:37:B:LEU:HG	3	0.43
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE1	2	0.43
(3,1050)	1:82:B:LEU:HG	1:83:B:GLU:HG3	7	0.43
(3,1027)	1:88:B:PHE:HA	1:84:B:LEU:HD23	11	0.43
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	18	0.43
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD21	15	0.43
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD11	18	0.43
(3,911)	1:37:B:LEU:HD12	1:67:B:GLN:HE22	12	0.43
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG13	16	0.43
(3,811)	1:107:B:ALA:HB2	1:109:B:ARG:HB2	5	0.43
(3,753)	1:113:B:ARG:HD3	1:116:B:ASP:HB2	10	0.43
(3,691)	1:22:B:LEU:HD23	1:21:B:TYR:HB3	18	0.43
(3,685)	1:84:B:LEU:HD11	1:109:B:ARG:HG2	12	0.43
(3,685)	1:84:B:LEU:HD13	1:123:B:LEU:HG	13	0.43
(3,619)	1:119:B:LEU:HD12	1:126:B:GLU:HB2	2	0.43
(3,550)	1:124:B:VAL:HG13	1:118:B:LEU:HB3	13	0.43
(3,547)	1:124:B:VAL:HG11	1:126:B:GLU:HG3	5	0.43
(3,493)	1:130:B:LEU:HD11	1:128:B:ARG:HA	1	0.43
(3,485)	1:131:B:TYR:HE2	1:130:B:LEU:HB2	18	0.43
(3,428)	1:4:B:ARG:HA	1:4:B:ARG:HG2	10	0.43
(3,377)	1:98:B:LEU:HD11	1:111:B:ARG:HD3	2	0.43
(3,136)	1:64:B:LYS:H	1:63:B:VAL:HG11	8	0.43
(3,136)	1:101:B:ILE:H	1:100:B:HIS:HB3	19	0.43
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG23	1	0.43
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG22	14	0.43
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE2	8	0.43
(1,2619)	1:11:B:PRO:HA	1:14:B:GLU:HB2	11	0.43
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD21	10	0.43
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD22	10	0.43
(1,2608)	1:14:B:GLU:HG3	1:17:B:LEU:HD23	10	0.43
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	20	0.43
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	20	0.43
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	20	0.43
(1,2353)	1:16:B:HIS:HE1	1:40:B:LEU:HG	16	0.43
(1,2335)	1:40:B:LEU:HD11	1:13:B:GLU:HG3	8	0.43
(1,2278)	1:43:B:VAL:HG21	1:45:B:ARG:HB3	19	0.43
(1,2278)	1:43:B:VAL:HG22	1:45:B:ARG:HB3	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:43:B:VAL:HG23	1:45:B:ARG:HB3	19	0.43
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	11	0.43
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	11	0.43
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	11	0.43
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	5	0.43
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	5	0.43
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	5	0.43
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	19	0.43
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	19	0.43
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	19	0.43
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	16	0.43
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	16	0.43
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	16	0.43
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	8	0.43
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	8	0.43
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	8	0.43
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	5	0.43
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	5	0.43
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	5	0.43
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	12	0.43
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	12	0.43
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	12	0.43
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	14	0.43
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG21	6	0.43
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG22	6	0.43
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG23	6	0.43
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG21	6	0.43
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG22	6	0.43
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG23	6	0.43
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD11	11	0.43
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD12	11	0.43
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD13	11	0.43
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	12	0.43
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	12	0.43
(1,1572)	1:133:B:LYS:HG3	1:134:B:ARG:HD3	18	0.43
(1,1566)	1:92:B:ARG:HG2	1:93:B:ASP:HB3	20	0.43
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG21	20	0.43
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG22	20	0.43
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG23	20	0.43
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	4	0.43
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	4	0.43
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:98:B:LEU:HD11	1:102:B:MET:HG2	13	0.43
(1,1507)	1:98:B:LEU:HD12	1:102:B:MET:HG2	13	0.43
(1,1507)	1:98:B:LEU:HD13	1:102:B:MET:HG2	13	0.43
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB3	8	0.43
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD2	2	0.43
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	2	0.43
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	2	0.43
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	2	0.43
(1,1246)	1:87:B:LEU:HD11	1:104:B:ASN:H	1	0.43
(1,1246)	1:87:B:LEU:HD12	1:104:B:ASN:H	1	0.43
(1,1246)	1:87:B:LEU:HD13	1:104:B:ASN:H	1	0.43
(1,1246)	1:87:B:LEU:HD11	1:104:B:ASN:H	18	0.43
(1,1246)	1:87:B:LEU:HD12	1:104:B:ASN:H	18	0.43
(1,1246)	1:87:B:LEU:HD13	1:104:B:ASN:H	18	0.43
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	8	0.43
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	8	0.43
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	8	0.43
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	13	0.43
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	13	0.43
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	13	0.43
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	14	0.43
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	14	0.43
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	14	0.43
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	19	0.43
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	19	0.43
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	19	0.43
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	19	0.43
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	19	0.43
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	19	0.43
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	19	0.43
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	19	0.43
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	19	0.43
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	14	0.43
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	14	0.43
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	14	0.43
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	19	0.43
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	19	0.43
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	19	0.43
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG2	1	0.43
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG2	8	0.43
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG3	15	0.43
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	2	0.43
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	2	0.43
(1,787)	1:130:B:LEU:H	1:129:B:GLU:HG3	17	0.43
(1,622)	1:97:B:VAL:H	1:97:B:VAL:HG11	5	0.43
(1,622)	1:97:B:VAL:H	1:97:B:VAL:HG12	5	0.43
(1,622)	1:97:B:VAL:H	1:97:B:VAL:HG13	5	0.43
(3,1867)	1:118:B:LEU:HD11	1:124:B:VAL:H	16	0.42
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	4	0.42
(3,1628)	1:35:B:ALA:HB1	1:32:B:VAL:HG23	15	0.42
(3,1628)	1:35:B:ALA:HB3	1:32:B:VAL:HG21	18	0.42
(3,1622)	1:36:B:ILE:HG22	1:20:B:LEU:HG	8	0.42
(3,1622)	1:36:B:ILE:HG22	1:20:B:LEU:HG	13	0.42
(3,1572)	1:40:B:LEU:HD11	1:20:B:LEU:HD23	5	0.42
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	1	0.42
(3,1434)	1:51:B:ILE:HG21	1:54:B:LEU:HB3	1	0.42
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	17	0.42
(3,1340)	1:57:B:MET:HE1	1:60:B:ALA:H	13	0.42
(3,1230)	1:71:B:THR:HA	1:68:B:ARG:HD3	19	0.42
(3,1197)	1:73:B:ILE:HG22	1:73:B:ILE:HA	6	0.42
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG22	6	0.42
(3,1187)	1:73:B:ILE:HD12	1:73:B:ILE:HB	18	0.42
(3,1184)	1:74:B:VAL:HG21	1:107:B:ALA:HB2	8	0.42
(3,1184)	1:74:B:VAL:HG22	1:107:B:ALA:HB1	17	0.42
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	9	0.42
(3,1050)	1:82:B:LEU:HG	1:83:B:GLU:HG3	15	0.42
(3,1040)	1:127:B:ARG:HD3	1:131:B:TYR:HD1	2	0.42
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD22	4	0.42
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	19	0.42
(3,914)	1:37:B:LEU:HD11	1:49:B:GLN:H	11	0.42
(3,908)	1:98:B:LEU:HD11	1:115:B:VAL:HG11	4	0.42
(3,863)	1:105:B:ILE:HD13	1:84:B:LEU:HB2	5	0.42
(3,809)	1:107:B:ALA:HB2	1:80:B:GLN:HB3	2	0.42
(3,749)	1:114:B:ILE:HD12	1:118:B:LEU:HD21	7	0.42
(3,722)	1:27:B:VAL:HG13	1:30:B:GLN:HE21	5	0.42
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	5	0.42
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	7	0.42
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	12	0.42
(3,593)	1:84:B:LEU:HD23	1:114:B:ILE:HG22	17	0.42
(3,560)	1:123:B:LEU:HD22	1:88:B:PHE:HB2	2	0.42
(3,550)	1:124:B:VAL:HG13	1:118:B:LEU:HB3	20	0.42
(3,537)	1:125:B:ALA:HB3	1:126:B:GLU:HG3	20	0.42
(3,530)	1:126:B:GLU:HG2	1:130:B:LEU:HD23	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,418)	1:133:B:LYS:HB3	1:134:B:ARG:HD2	15	0.42
(3,402)	1:132:B:LYS:HE2	1:132:B:LYS:HB3	20	0.42
(3,384)	1:40:B:LEU:HD21	1:13:B:GLU:HG2	12	0.42
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD12	16	0.42
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD23	16	0.42
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD22	19	0.42
(3,136)	1:64:B:LYS:H	1:63:B:VAL:HG12	14	0.42
(3,136)	1:101:B:ILE:H	1:100:B:HIS:HB3	20	0.42
(3,104)	1:52:B:HIS:H	1:50:B:ILE:HG23	6	0.42
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG22	5	0.42
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	13	0.42
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG2	12	0.42
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	2	0.42
(1,2535)	1:21:B:TYR:HE1	1:54:B:LEU:HD11	12	0.42
(1,2535)	1:21:B:TYR:HE1	1:54:B:LEU:HD12	12	0.42
(1,2535)	1:21:B:TYR:HE1	1:54:B:LEU:HD13	12	0.42
(1,2535)	1:21:B:TYR:HE2	1:54:B:LEU:HD11	12	0.42
(1,2535)	1:21:B:TYR:HE2	1:54:B:LEU:HD12	12	0.42
(1,2535)	1:21:B:TYR:HE2	1:54:B:LEU:HD13	12	0.42
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	6	0.42
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	6	0.42
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	6	0.42
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	19	0.42
(1,2335)	1:40:B:LEU:HD12	1:13:B:GLU:HG3	9	0.42
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	7	0.42
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	7	0.42
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	7	0.42
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG2	4	0.42
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG2	4	0.42
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG2	4	0.42
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG2	17	0.42
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG2	17	0.42
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG2	17	0.42
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	2	0.42
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	2	0.42
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	2	0.42
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	2	0.42
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	2	0.42
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	2	0.42
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	2	0.42
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	2	0.42
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1947)	1:62:B:SER:HB3	1:65:B:ASP:HB3	18	0.42
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	19	0.42
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	19	0.42
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	19	0.42
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	17	0.42
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG23	3	0.42
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	11	0.42
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	11	0.42
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	11	0.42
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	14	0.42
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	14	0.42
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	14	0.42
(1,1585)	1:92:B:ARG:HA	1:97:B:VAL:HB	8	0.42
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD2	2	0.42
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	11	0.42
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	11	0.42
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	11	0.42
(1,1246)	1:87:B:LEU:HD11	1:104:B:ASN:H	4	0.42
(1,1246)	1:87:B:LEU:HD12	1:104:B:ASN:H	4	0.42
(1,1246)	1:87:B:LEU:HD13	1:104:B:ASN:H	4	0.42
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	15	0.42
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	15	0.42
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	15	0.42
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	20	0.42
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	20	0.42
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	20	0.42
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	4	0.42
(1,980)	1:33:B:VAL:HG11	1:51:B:ILE:HG13	9	0.42
(1,980)	1:33:B:VAL:HG12	1:51:B:ILE:HG13	9	0.42
(1,980)	1:33:B:VAL:HG13	1:51:B:ILE:HG13	9	0.42
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	19	0.42
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	19	0.42
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	19	0.42
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	6	0.42
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	6	0.42
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	6	0.42
(1,966)	1:131:B:TYR:HD1	1:130:B:LEU:H	1	0.42
(1,966)	1:131:B:TYR:HD2	1:130:B:LEU:H	1	0.42
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	7	0.42
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	7	0.42
(1,929)	1:67:B:GLN:HG3	1:51:B:ILE:HG12	3	0.42
(1,929)	1:67:B:GLN:HG3	1:51:B:ILE:HG12	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	9	0.42
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	9	0.42
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	9	0.42
(1,897)	1:33:B:VAL:HG11	1:51:B:ILE:HA	6	0.42
(1,897)	1:33:B:VAL:HG12	1:51:B:ILE:HA	6	0.42
(1,897)	1:33:B:VAL:HG13	1:51:B:ILE:HA	6	0.42
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG21	11	0.42
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG23	16	0.42
(1,645)	1:103:B:LYS:H	1:103:B:LYS:HG3	15	0.42
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD21	9	0.42
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD22	9	0.42
(1,544)	1:85:B:GLN:HE22	1:82:B:LEU:HD23	9	0.42
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	4	0.42
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	8	0.42
(3,1907)	1:76:B:TRP:HE3	1:74:B:VAL:HG23	9	0.41
(3,1794)	1:16:B:HIS:HD2	1:40:B:LEU:HB2	18	0.41
(3,1751)	1:18:B:ARG:HD3	1:59:B:LEU:HD22	20	0.41
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	9	0.41
(3,1575)	1:40:B:LEU:HD11	1:41:B:ASN:HB3	12	0.41
(3,1528)	1:46:B:THR:HB	1:48:B:LYS:HG3	2	0.41
(3,1439)	1:51:B:ILE:HD11	1:52:B:HIS:HB2	7	0.41
(3,1439)	1:51:B:ILE:HD11	1:52:B:HIS:HB2	16	0.41
(3,1434)	1:51:B:ILE:HG21	1:54:B:LEU:HB3	2	0.41
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD21	4	0.41
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD23	10	0.41
(3,1386)	1:54:B:LEU:HD23	1:17:B:LEU:HD21	2	0.41
(3,1386)	1:54:B:LEU:HD22	1:17:B:LEU:HD21	4	0.41
(3,1386)	1:54:B:LEU:HD21	1:17:B:LEU:HD21	12	0.41
(3,1374)	1:54:B:LEU:HD11	1:53:B:HIS:HB2	20	0.41
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD22	3	0.41
(3,1297)	1:42:B:THR:HG22	1:40:B:LEU:HB2	14	0.41
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	14	0.41
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG22	2	0.41
(3,1186)	1:73:B:ILE:HD11	1:74:B:VAL:HB	13	0.41
(3,1178)	1:27:B:VAL:HG23	1:30:B:GLN:HE21	14	0.41
(3,1174)	1:74:B:VAL:HG11	1:75:B:LEU:HG	14	0.41
(3,1160)	1:72:B:HIS:HB2	1:74:B:VAL:H	6	0.41
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG21	19	0.41
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	18	0.41
(3,1038)	1:20:B:LEU:HD11	1:19:B:GLU:H	20	0.41
(3,962)	1:48:B:LYS:HG3	1:51:B:ILE:HD13	8	0.41
(3,908)	1:98:B:LEU:HD13	1:115:B:VAL:HG13	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,894)	1:37:B:LEU:HD12	1:31:B:ASP:HB3	12	0.41
(3,862)	1:101:B:ILE:HD12	1:98:B:LEU:HB3	1	0.41
(3,841)	1:102:B:MET:HE2	1:98:B:LEU:HB2	4	0.41
(3,832)	1:31:B:ASP:HB3	1:30:B:GLN:HG2	10	0.41
(3,830)	1:31:B:ASP:HB3	1:30:B:GLN:HE21	13	0.41
(3,815)	1:106:B:THR:HG22	1:84:B:LEU:H	6	0.41
(3,748)	1:114:B:ILE:HD12	1:109:B:ARG:HB3	18	0.41
(3,715)	1:33:B:VAL:HG23	1:34:B:GLU:H	15	0.41
(3,693)	1:33:B:VAL:HG23	1:37:B:LEU:HG	8	0.41
(3,691)	1:22:B:LEU:HD23	1:21:B:TYR:HB3	3	0.41
(3,691)	1:22:B:LEU:HD23	1:21:B:TYR:HB3	6	0.41
(3,675)	1:63:B:VAL:HB	1:64:B:LYS:HG2	10	0.41
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD21	3	0.41
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD22	12	0.41
(3,620)	1:119:B:LEU:HD13	1:124:B:VAL:HB	11	0.41
(3,620)	1:119:B:LEU:HD11	1:124:B:VAL:HB	12	0.41
(3,611)	1:120:B:ALA:HB1	1:119:B:LEU:HB2	11	0.41
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	20	0.41
(3,591)	1:20:B:LEU:HD21	1:23:B:ALA:H	16	0.41
(3,560)	1:123:B:LEU:HD22	1:88:B:PHE:HB2	11	0.41
(3,559)	1:84:B:LEU:HD21	1:115:B:VAL:HA	3	0.41
(3,559)	1:84:B:LEU:HD22	1:115:B:VAL:HA	12	0.41
(3,544)	1:124:B:VAL:HG21	1:124:B:VAL:HA	13	0.41
(3,544)	1:124:B:VAL:HG22	1:124:B:VAL:HA	16	0.41
(3,544)	1:124:B:VAL:HG21	1:124:B:VAL:HA	17	0.41
(3,533)	1:126:B:GLU:HG3	1:128:B:ARG:HG2	16	0.41
(3,476)	1:132:B:LYS:HA	1:132:B:LYS:HG3	20	0.41
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD13	4	0.41
(3,232)	1:104:B:ASN:H	1:87:B:LEU:HB3	17	0.41
(3,147)	1:67:B:GLN:H	1:67:B:GLN:HG3	2	0.41
(3,145)	1:66:B:PHE:H	1:65:B:ASP:HB3	16	0.41
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG21	16	0.41
(3,26)	1:16:B:HIS:H	1:40:B:LEU:HD22	15	0.41
(2,57)	1:6:B:ALA:HB1	1:49:B:GLN:HG2	7	0.41
(2,57)	1:6:B:ALA:HB2	1:49:B:GLN:HG2	7	0.41
(2,57)	1:6:B:ALA:HB3	1:49:B:GLN:HG2	7	0.41
(2,14)	1:141:B:SER:H	1:139:B:ALA:HA	14	0.41
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	4	0.41
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG3	17	0.41
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	1	0.41
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	1	0.41
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	20	0.41
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	20	0.41
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	20	0.41
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HG13	6	0.41
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	7	0.41
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	10	0.41
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	10	0.41
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	10	0.41
(1,2354)	1:39:B:HIS:HD2	1:36:B:ILE:HB	14	0.41
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	10	0.41
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	10	0.41
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	10	0.41
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	19	0.41
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	19	0.41
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	19	0.41
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	9	0.41
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	9	0.41
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	9	0.41
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	9	0.41
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	9	0.41
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	9	0.41
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	9	0.41
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	9	0.41
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	9	0.41
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG2	2	0.41
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG2	2	0.41
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG2	2	0.41
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	18	0.41
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	18	0.41
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	18	0.41
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	18	0.41
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	18	0.41
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	18	0.41
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	18	0.41
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	18	0.41
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	18	0.41
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	3	0.41
(1,1695)	1:127:B:ARG:HD2	1:116:B:ASP:H	2	0.41
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	17	0.41
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	17	0.41
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	11	0.41
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	11	0.41
(1,1499)	1:98:B:LEU:HB3	1:111:B:ARG:HD3	6	0.41
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD21	9	0.41
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD22	9	0.41
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD23	9	0.41
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	11	0.41
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	11	0.41
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	11	0.41
(1,1425)	1:103:B:LYS:HE2	1:103:B:LYS:H	8	0.41
(1,1388)	1:106:B:THR:HG21	1:80:B:GLN:HG2	10	0.41
(1,1388)	1:106:B:THR:HG22	1:80:B:GLN:HG2	10	0.41
(1,1388)	1:106:B:THR:HG23	1:80:B:GLN:HG2	10	0.41
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	4	0.41
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	4	0.41
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	4	0.41
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	6	0.41
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	6	0.41
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	6	0.41
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	16	0.41
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	16	0.41
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	16	0.41
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	19	0.41
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	19	0.41
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	19	0.41
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	1	0.41
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	1	0.41
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	1	0.41
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	10	0.41
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	10	0.41
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	10	0.41
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	15	0.41
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	15	0.41
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	15	0.41
(1,980)	1:33:B:VAL:HG11	1:51:B:ILE:HG13	15	0.41
(1,980)	1:33:B:VAL:HG12	1:51:B:ILE:HG13	15	0.41
(1,980)	1:33:B:VAL:HG13	1:51:B:ILE:HG13	15	0.41
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	1	0.41
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	1	0.41
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	1	0.41
(1,966)	1:131:B:TYR:HD1	1:130:B:LEU:H	6	0.41
(1,966)	1:131:B:TYR:HD2	1:130:B:LEU:H	6	0.41
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG2	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	2	0.41
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	11	0.41
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	11	0.41
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	11	0.41
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	11	0.41
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG23	8	0.4
(3,1898)	1:88:B:PHE:HE1	1:88:B:PHE:H	14	0.4
(3,1872)	1:118:B:LEU:HD21	1:115:B:VAL:H	18	0.4
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	15	0.4
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	20	0.4
(3,1776)	1:17:B:LEU:HD22	1:53:B:HIS:HE1	12	0.4
(3,1665)	1:32:B:VAL:HG13	1:37:B:LEU:HG	17	0.4
(3,1664)	1:32:B:VAL:HG13	1:37:B:LEU:HG	17	0.4
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD11	14	0.4
(3,1628)	1:35:B:ALA:HB2	1:32:B:VAL:HG21	20	0.4
(3,1622)	1:36:B:ILE:HG23	1:37:B:LEU:HG	17	0.4
(3,1595)	1:38:B:ALA:HB3	1:37:B:LEU:HB3	10	0.4
(3,1575)	1:40:B:LEU:HD12	1:45:B:ARG:HD3	6	0.4
(3,1528)	1:46:B:THR:HB	1:48:B:LYS:HG3	20	0.4
(3,1525)	1:46:B:THR:HA	1:37:B:LEU:HD21	2	0.4
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD11	19	0.4
(3,1439)	1:51:B:ILE:HD13	1:52:B:HIS:HB2	3	0.4
(3,1435)	1:51:B:ILE:HG23	1:48:B:LYS:HG2	4	0.4
(3,1435)	1:51:B:ILE:HG22	1:32:B:VAL:HG11	9	0.4
(3,1424)	1:52:B:HIS:HB2	1:51:B:ILE:HD13	3	0.4
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD22	4	0.4
(3,1391)	1:54:B:LEU:HD13	1:33:B:VAL:H	5	0.4
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD22	12	0.4
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD23	14	0.4
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD21	5	0.4
(3,1325)	1:58:B:GLY:HA3	1:59:B:LEU:HD12	10	0.4
(3,1322)	1:37:B:LEU:HD21	1:48:B:LYS:H	9	0.4
(3,1264)	1:84:B:LEU:HA	1:101:B:ILE:HG21	11	0.4
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	13	0.4
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	11	0.4
(3,1100)	1:34:B:GLU:HG2	1:37:B:LEU:HB2	8	0.4
(3,1097)	1:19:B:GLU:HG2	1:23:B:ALA:HB2	11	0.4
(3,1097)	1:19:B:GLU:HG2	1:23:B:ALA:HB2	14	0.4
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE3	9	0.4
(3,1038)	1:20:B:LEU:HD13	1:19:B:GLU:H	7	0.4
(3,897)	1:98:B:LEU:HD21	1:101:B:ILE:HB	7	0.4
(3,864)	1:105:B:ILE:HD12	1:109:B:ARG:HD2	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,860)	1:36:B:ILE:HD12	1:17:B:LEU:HD23	10	0.4
(3,834)	1:27:B:VAL:HB	1:30:B:GLN:H	11	0.4
(3,745)	1:114:B:ILE:HD13	1:113:B:ARG:HD2	6	0.4
(3,711)	1:87:B:LEU:HD12	1:91:B:PHE:H	17	0.4
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	18	0.4
(3,611)	1:120:B:ALA:HB3	1:119:B:LEU:HB2	6	0.4
(3,598)	1:84:B:LEU:HD21	1:114:B:ILE:HB	5	0.4
(3,589)	1:84:B:LEU:HD21	1:118:B:LEU:H	12	0.4
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD11	17	0.4
(3,544)	1:124:B:VAL:HG23	1:124:B:VAL:HA	12	0.4
(3,544)	1:124:B:VAL:HG22	1:124:B:VAL:HA	15	0.4
(3,544)	1:124:B:VAL:HG21	1:124:B:VAL:HA	18	0.4
(3,533)	1:126:B:GLU:HG3	1:128:B:ARG:HG2	17	0.4
(3,491)	1:130:B:LEU:HD11	1:116:B:ASP:H	11	0.4
(3,451)	1:86:B:ARG:HD3	1:82:B:LEU:HD12	14	0.4
(3,435)	1:134:B:ARG:HA	1:134:B:ARG:HD3	1	0.4
(3,425)	1:134:B:ARG:HA	1:134:B:ARG:HD3	1	0.4
(3,418)	1:133:B:LYS:HB3	1:134:B:ARG:HD2	19	0.4
(3,361)	1:82:B:LEU:HD12	1:85:B:GLN:H	3	0.4
(3,361)	1:82:B:LEU:HD13	1:85:B:GLN:H	6	0.4
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD12	19	0.4
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	3	0.4
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG22	9	0.4
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	9	0.4
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	9	0.4
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	9	0.4
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	17	0.4
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	17	0.4
(1,2751)	1:108:B:LYS:HG2	1:108:B:LYS:H	11	0.4
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	4	0.4
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	13	0.4
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	9	0.4
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	9	0.4
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	9	0.4
(1,2276)	1:43:B:VAL:HG23	1:49:B:GLN:HB3	13	0.4
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG11	5	0.4
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG12	5	0.4
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG13	5	0.4
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG21	13	0.4
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG22	13	0.4
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG23	13	0.4
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD1	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD2	16	0.4
(1,1993)	1:59:B:LEU:HB2	1:57:B:MET:HB3	1	0.4
(1,1947)	1:62:B:SER:HB3	1:65:B:ASP:HB3	12	0.4
(1,1914)	1:64:B:LYS:HD3	1:64:B:LYS:HA	18	0.4
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	15	0.4
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	8	0.4
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	7	0.4
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	7	0.4
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	7	0.4
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	9	0.4
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	9	0.4
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	9	0.4
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	17	0.4
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	17	0.4
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	17	0.4
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	14	0.4
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	14	0.4
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	14	0.4
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD21	2	0.4
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD22	2	0.4
(1,1803)	1:40:B:LEU:HA	1:20:B:LEU:HD23	2	0.4
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB1	9	0.4
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB2	9	0.4
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB3	9	0.4
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	1	0.4
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	1	0.4
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	1	0.4
(1,1572)	1:133:B:LYS:HG2	1:134:B:ARG:HD2	13	0.4
(1,1572)	1:133:B:LYS:HG2	1:134:B:ARG:HD3	16	0.4
(1,1566)	1:92:B:ARG:HG2	1:93:B:ASP:HB3	15	0.4
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD3	18	0.4
(1,1535)	1:96:B:ASP:HB3	1:100:B:HIS:HD2	4	0.4
(1,1482)	1:100:B:HIS:HD2	1:97:B:VAL:HA	13	0.4
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	14	0.4
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	14	0.4
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	14	0.4
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	1	0.4
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	1	0.4
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	1	0.4
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD2	3	0.4
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD2	11	0.4
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD2	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:87:B:LEU:HD11	1:104:B:ASN:H	17	0.4
(1,1246)	1:87:B:LEU:HD12	1:104:B:ASN:H	17	0.4
(1,1246)	1:87:B:LEU:HD13	1:104:B:ASN:H	17	0.4
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	14	0.4
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	14	0.4
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	14	0.4
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	11	0.4
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	11	0.4
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	11	0.4
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	17	0.4
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	17	0.4
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	17	0.4
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	3	0.4
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	3	0.4
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	3	0.4
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	5	0.4
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	5	0.4
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	5	0.4
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	17	0.4
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	17	0.4
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	17	0.4
(1,959)	1:131:B:TYR:HD1	1:127:B:ARG:HB3	8	0.4
(1,959)	1:131:B:TYR:HD2	1:127:B:ARG:HB3	8	0.4
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG2	13	0.4
(1,898)	1:82:B:LEU:HD21	1:86:B:ARG:HD3	10	0.4
(1,898)	1:82:B:LEU:HD22	1:86:B:ARG:HD3	10	0.4
(1,898)	1:82:B:LEU:HD23	1:86:B:ARG:HD3	10	0.4
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD1	11	0.4
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	6	0.4
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	6	0.4
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	6	0.4
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB1	18	0.4
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB2	18	0.4
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB3	18	0.4
(1,742)	1:121:B:LEU:H	1:121:B:LEU:HD21	4	0.4
(1,742)	1:121:B:LEU:H	1:121:B:LEU:HD22	4	0.4
(1,742)	1:121:B:LEU:H	1:121:B:LEU:HD23	4	0.4
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	10	0.4
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	14	0.4
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	9	0.4
(3,1898)	1:88:B:PHE:HE2	1:88:B:PHE:H	20	0.39
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	2	0.39
(3,1797)	1:16:B:HIS:HD2	1:40:B:LEU:HD13	7	0.39
(3,1785)	1:16:B:HIS:HD2	1:13:B:GLU:HA	20	0.39
(3,1773)	1:17:B:LEU:HD13	1:40:B:LEU:H	9	0.39
(3,1751)	1:18:B:ARG:HD3	1:59:B:LEU:HD21	13	0.39
(3,1673)	1:32:B:VAL:HB	1:66:B:PHE:HD2	16	0.39
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD12	7	0.39
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	8	0.39
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	7	0.39
(3,1596)	1:38:B:ALA:HB1	1:37:B:LEU:HB2	4	0.39
(3,1576)	1:22:B:LEU:HD13	1:18:B:ARG:HD3	15	0.39
(3,1569)	1:40:B:LEU:HB2	1:37:B:LEU:HA	4	0.39
(3,1569)	1:40:B:LEU:HB2	1:17:B:LEU:HA	8	0.39
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	9	0.39
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	17	0.39
(3,1521)	1:127:B:ARG:HD2	1:115:B:VAL:HB	19	0.39
(3,1439)	1:51:B:ILE:HD13	1:52:B:HIS:HB2	8	0.39
(3,1417)	1:9:B:TRP:HE3	1:17:B:LEU:HB3	5	0.39
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD21	3	0.39
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD22	13	0.39
(3,1288)	1:61:B:ASP:HB3	1:64:B:LYS:HD3	16	0.39
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	4	0.39
(3,1143)	1:76:B:TRP:HD1	1:75:B:LEU:HG	8	0.39
(3,1110)	1:82:B:LEU:HD12	1:87:B:LEU:H	9	0.39
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	11	0.39
(3,1099)	1:83:B:GLU:HG3	1:105:B:ILE:HG12	9	0.39
(3,1097)	1:19:B:GLU:HG2	1:23:B:ALA:HB1	18	0.39
(3,1091)	1:83:B:GLU:HA	1:83:B:GLU:HG3	7	0.39
(3,1091)	1:83:B:GLU:HA	1:83:B:GLU:HG3	19	0.39
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE1	13	0.39
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE2	14	0.39
(3,1036)	1:20:B:LEU:HD11	1:19:B:GLU:HG3	3	0.39
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	10	0.39
(3,934)	1:97:B:VAL:HG23	1:118:B:LEU:HD12	16	0.39
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	18	0.39
(3,912)	1:98:B:LEU:HD22	1:131:B:TYR:HD2	7	0.39
(3,785)	1:109:B:ARG:HG2	1:113:B:ARG:HB2	13	0.39
(3,754)	1:44:B:PRO:HG3	1:43:B:VAL:HG21	10	0.39
(3,748)	1:114:B:ILE:HD12	1:109:B:ARG:HB3	14	0.39
(3,719)	1:27:B:VAL:HG13	1:30:B:GLN:HE22	13	0.39
(3,714)	1:97:B:VAL:HG21	1:89:B:GLU:H	6	0.39
(3,714)	1:33:B:VAL:HG22	1:51:B:ILE:H	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	2	0.39
(3,611)	1:120:B:ALA:HB2	1:119:B:LEU:HB2	4	0.39
(3,609)	1:112:B:ALA:HB3	1:113:B:ARG:HB2	10	0.39
(3,591)	1:20:B:LEU:HD23	1:40:B:LEU:H	1	0.39
(3,591)	1:20:B:LEU:HD21	1:23:B:ALA:H	20	0.39
(3,544)	1:124:B:VAL:HG21	1:124:B:VAL:HA	11	0.39
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	3	0.39
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	14	0.39
(3,485)	1:131:B:TYR:HE1	1:130:B:LEU:HB2	13	0.39
(3,396)	1:25:B:LYS:HE3	1:22:B:LEU:HD23	4	0.39
(3,361)	1:82:B:LEU:HD12	1:85:B:GLN:H	1	0.39
(3,338)	1:3:B:SER:HB3	1:4:B:ARG:HG3	5	0.39
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD12	18	0.39
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE3	9	0.39
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD21	12	0.39
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG23	13	0.39
(3,145)	1:66:B:PHE:H	1:65:B:ASP:HB3	12	0.39
(3,136)	1:101:B:ILE:H	1:100:B:HIS:HB3	13	0.39
(3,136)	1:101:B:ILE:H	1:100:B:HIS:HB3	18	0.39
(3,86)	1:47:B:ARG:H	1:50:B:ILE:HD13	11	0.39
(3,68)	1:35:B:ALA:H	1:33:B:VAL:HG12	18	0.39
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG3	16	0.39
(1,2751)	1:108:B:LYS:HG2	1:108:B:LYS:H	2	0.39
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	12	0.39
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	12	0.39
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	12	0.39
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	12	0.39
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	4	0.39
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	13	0.39
(1,2229)	1:45:B:ARG:HD2	1:43:B:VAL:HB	10	0.39
(1,2157)	1:51:B:ILE:HD11	1:51:B:ILE:H	13	0.39
(1,2157)	1:51:B:ILE:HD12	1:51:B:ILE:H	13	0.39
(1,2157)	1:51:B:ILE:HD13	1:51:B:ILE:H	13	0.39
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD11	9	0.39
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD12	9	0.39
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD13	9	0.39
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD11	9	0.39
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD12	9	0.39
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD13	9	0.39
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD11	9	0.39
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD12	9	0.39
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD13	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	17	0.39
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	17	0.39
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	17	0.39
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	17	0.39
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	17	0.39
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	17	0.39
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	17	0.39
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	17	0.39
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	17	0.39
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	8	0.39
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	8	0.39
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	8	0.39
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD1	6	0.39
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	6	0.39
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	6	0.39
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	6	0.39
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	8	0.39
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	8	0.39
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	8	0.39
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	8	0.39
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	8	0.39
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	8	0.39
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	8	0.39
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	8	0.39
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	8	0.39
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	6	0.39
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG23	8	0.39
(1,1691)	1:20:B:LEU:HD11	1:36:B:ILE:HG12	6	0.39
(1,1691)	1:20:B:LEU:HD12	1:36:B:ILE:HG12	6	0.39
(1,1691)	1:20:B:LEU:HD13	1:36:B:ILE:HG12	6	0.39
(1,1603)	1:66:B:PHE:HE1	1:65:B:ASP:HB3	16	0.39
(1,1603)	1:66:B:PHE:HE2	1:65:B:ASP:HB3	16	0.39
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	17	0.39
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	17	0.39
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	17	0.39
(1,1528)	1:97:B:VAL:HG21	1:88:B:PHE:HE1	10	0.39
(1,1528)	1:97:B:VAL:HG21	1:88:B:PHE:HE2	10	0.39
(1,1528)	1:97:B:VAL:HG22	1:88:B:PHE:HE1	10	0.39
(1,1528)	1:97:B:VAL:HG22	1:88:B:PHE:HE2	10	0.39
(1,1528)	1:97:B:VAL:HG23	1:88:B:PHE:HE1	10	0.39
(1,1528)	1:97:B:VAL:HG23	1:88:B:PHE:HE2	10	0.39
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD21	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD22	18	0.39
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD23	18	0.39
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD11	4	0.39
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD12	4	0.39
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD13	4	0.39
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	16	0.39
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	16	0.39
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	16	0.39
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	14	0.39
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	14	0.39
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	14	0.39
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD2	4	0.39
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	11	0.39
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	11	0.39
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	11	0.39
(1,1178)	1:119:B:LEU:HG	1:126:B:GLU:H	18	0.39
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG3	8	0.39
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG3	8	0.39
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG3	8	0.39
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	20	0.39
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	20	0.39
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	20	0.39
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	15	0.39
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	15	0.39
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	15	0.39
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	14	0.39
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	7	0.39
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	7	0.39
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	7	0.39
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	11	0.39
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	11	0.39
(1,883)	1:40:B:LEU:HD11	1:43:B:VAL:H	10	0.39
(1,883)	1:40:B:LEU:HD12	1:43:B:VAL:H	10	0.39
(1,883)	1:40:B:LEU:HD13	1:43:B:VAL:H	10	0.39
(1,846)	1:82:B:LEU:HB3	1:85:B:GLN:HE22	15	0.39
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	3	0.39
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	3	0.39
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	12	0.39
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG21	15	0.38
(3,1770)	1:17:B:LEU:HD22	1:13:B:GLU:HG3	11	0.38
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG23	12	0.38
(3,1628)	1:35:B:ALA:HB3	1:32:B:VAL:HG22	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1628)	1:35:B:ALA:HB2	1:32:B:VAL:HG23	17	0.38
(3,1623)	1:36:B:ILE:HG21	1:50:B:ILE:HG12	16	0.38
(3,1610)	1:119:B:LEU:HD21	1:116:B:ASP:H	14	0.38
(3,1583)	1:113:B:ARG:HG3	1:115:B:VAL:H	18	0.38
(3,1577)	1:40:B:LEU:HD11	1:42:B:THR:HB	8	0.38
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	8	0.38
(3,1531)	1:77:B:THR:HG21	1:80:B:GLN:HB3	5	0.38
(3,1471)	1:50:B:ILE:HD11	1:46:B:THR:HG23	2	0.38
(3,1453)	1:51:B:ILE:HD12	1:33:B:VAL:H	13	0.38
(3,1439)	1:51:B:ILE:HD13	1:52:B:HIS:HB2	17	0.38
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD21	11	0.38
(3,1386)	1:54:B:LEU:HD22	1:17:B:LEU:HD23	18	0.38
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD23	19	0.38
(3,1348)	1:30:B:GLN:HG3	1:31:B:ASP:HB3	1	0.38
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	7	0.38
(3,1238)	1:122:B:GLY:HA2	1:119:B:LEU:HD21	5	0.38
(3,1172)	1:74:B:VAL:HG13	1:109:B:ARG:HB2	15	0.38
(3,1113)	1:82:B:LEU:HD12	1:85:B:GLN:HB3	5	0.38
(3,1091)	1:83:B:GLU:HA	1:83:B:GLU:HG3	17	0.38
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	3	0.38
(3,1050)	1:82:B:LEU:HG	1:83:B:GLU:HG3	12	0.38
(3,1038)	1:20:B:LEU:HD13	1:19:B:GLU:H	18	0.38
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	15	0.38
(3,961)	1:92:B:ARG:HG2	1:89:B:GLU:HB3	8	0.38
(3,933)	1:97:B:VAL:HG12	1:111:B:ARG:HD3	2	0.38
(3,929)	1:97:B:VAL:HG12	1:89:B:GLU:HG3	8	0.38
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	12	0.38
(3,907)	1:98:B:LEU:HD12	1:118:B:LEU:HD13	19	0.38
(3,862)	1:101:B:ILE:HD12	1:98:B:LEU:HB3	20	0.38
(3,834)	1:27:B:VAL:HB	1:30:B:GLN:H	1	0.38
(3,809)	1:107:B:ALA:HB3	1:80:B:GLN:HB3	13	0.38
(3,682)	1:115:B:VAL:HG12	1:127:B:ARG:HB3	12	0.38
(3,658)	1:95:B:ASP:HB3	1:132:B:LYS:HB2	7	0.38
(3,631)	1:119:B:LEU:HD12	1:128:B:ARG:H	7	0.38
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD21	13	0.38
(3,591)	1:20:B:LEU:HD22	1:23:B:ALA:H	7	0.38
(3,553)	1:124:B:VAL:HG11	1:128:B:ARG:H	1	0.38
(3,544)	1:124:B:VAL:HG22	1:124:B:VAL:HA	3	0.38
(3,544)	1:124:B:VAL:HG22	1:124:B:VAL:HA	10	0.38
(3,537)	1:125:B:ALA:HB1	1:126:B:GLU:HG3	13	0.38
(3,505)	1:13:B:GLU:HG3	1:43:B:VAL:HB	3	0.38
(3,479)	1:131:B:TYR:HB3	1:132:B:LYS:HB3	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,356)	1:130:B:LEU:HD22	1:88:B:PHE:HE2	17	0.38
(3,339)	1:3:B:SER:HB2	1:4:B:ARG:HG3	16	0.38
(3,311)	1:133:B:LYS:H	1:133:B:LYS:HB3	7	0.38
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD12	12	0.38
(3,257)	1:116:B:ASP:H	1:127:B:ARG:HG3	7	0.38
(3,195)	1:86:B:ARG:H	1:84:B:LEU:HD13	3	0.38
(3,164)	1:76:B:TRP:HE1	1:109:B:ARG:HG2	17	0.38
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	7	0.38
(1,2557)	1:17:B:LEU:HD21	1:53:B:HIS:HB3	10	0.38
(1,2557)	1:17:B:LEU:HD22	1:53:B:HIS:HB3	10	0.38
(1,2557)	1:17:B:LEU:HD23	1:53:B:HIS:HB3	10	0.38
(1,2491)	1:25:B:LYS:HB2	1:21:B:TYR:HE1	6	0.38
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	14	0.38
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	14	0.38
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	14	0.38
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	14	0.38
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	12	0.38
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	14	0.38
(1,2296)	1:43:B:VAL:HG21	1:44:B:PRO:HD2	15	0.38
(1,2296)	1:43:B:VAL:HG22	1:44:B:PRO:HD2	15	0.38
(1,2296)	1:43:B:VAL:HG23	1:44:B:PRO:HD2	15	0.38
(1,2276)	1:43:B:VAL:HG22	1:49:B:GLN:HB3	5	0.38
(1,2248)	1:45:B:ARG:HD3	1:9:B:TRP:HH2	9	0.38
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	9	0.38
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	9	0.38
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	9	0.38
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	3	0.38
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	3	0.38
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	3	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	3	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	3	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	3	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	3	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	3	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	3	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	3	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	3	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	3	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	13	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	13	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	13	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	13	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	13	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	13	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	13	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	13	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	17	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	17	0.38
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	17	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	17	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	17	0.38
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	17	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	17	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	17	0.38
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	17	0.38
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG11	7	0.38
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG12	7	0.38
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG13	7	0.38
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	5	0.38
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	5	0.38
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	5	0.38
(1,1932)	1:63:B:VAL:HG21	1:68:B:ARG:HD3	3	0.38
(1,1932)	1:63:B:VAL:HG22	1:68:B:ARG:HD3	3	0.38
(1,1932)	1:63:B:VAL:HG23	1:68:B:ARG:HD3	3	0.38
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HD12	19	0.38
(1,1860)	1:72:B:HIS:HE1	1:117:B:LYS:HD2	14	0.38
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	6	0.38
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	10	0.38
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	10	0.38
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	10	0.38
(1,1813)	1:27:B:VAL:HG21	1:28:B:GLU:H	17	0.38
(1,1813)	1:27:B:VAL:HG22	1:28:B:GLU:H	17	0.38
(1,1813)	1:27:B:VAL:HG23	1:28:B:GLU:H	17	0.38
(1,1808)	1:74:B:VAL:HG11	1:75:B:LEU:HG	12	0.38
(1,1787)	1:76:B:TRP:HZ2	1:84:B:LEU:HB3	20	0.38
(1,1592)	1:92:B:ARG:HD3	1:88:B:PHE:HE1	8	0.38
(1,1592)	1:92:B:ARG:HD3	1:88:B:PHE:HE2	8	0.38
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG21	2	0.38
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG22	2	0.38
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG23	2	0.38
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	1	0.38
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	1	0.38
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB2	18	0.38
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	9	0.38
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	9	0.38
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	9	0.38
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	11	0.38
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	11	0.38
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	11	0.38
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	6	0.38
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	6	0.38
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	18	0.38
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	18	0.38
(1,929)	1:67:B:GLN:HG2	1:51:B:ILE:HG12	1	0.38
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	8	0.38
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	8	0.38
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	8	0.38
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	11	0.38
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	11	0.38
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	11	0.38
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	14	0.38
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	14	0.38
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	14	0.38
(1,816)	1:138:B:LEU:H	1:138:B:LEU:HB3	16	0.38
(1,645)	1:103:B:LYS:H	1:103:B:LYS:HG3	10	0.38
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	15	0.38
(1,251)	1:40:B:LEU:H	1:40:B:LEU:HG	7	0.38
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	13	0.38
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	11	0.38
(3,1894)	1:117:B:LYS:HD3	1:120:B:ALA:H	11	0.37
(3,1894)	1:117:B:LYS:HD3	1:120:B:ALA:H	17	0.37
(3,1872)	1:118:B:LEU:HD23	1:115:B:VAL:H	4	0.37
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG22	8	0.37
(3,1773)	1:17:B:LEU:HD11	1:40:B:LEU:H	18	0.37
(3,1635)	1:35:B:ALA:HB3	1:34:B:GLU:H	3	0.37
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	9	0.37
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	11	0.37
(3,1609)	1:5:B:ARG:HG2	1:6:B:ALA:HA	2	0.37
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	18	0.37
(3,1474)	1:50:B:ILE:HD13	1:43:B:VAL:H	12	0.37
(3,1450)	1:51:B:ILE:HG23	1:52:B:HIS:HD2	17	0.37
(3,1419)	1:52:B:HIS:HD2	1:69:B:LYS:HB3	5	0.37
(3,1374)	1:54:B:LEU:HD11	1:53:B:HIS:HB2	15	0.37
(3,1374)	1:54:B:LEU:HD12	1:17:B:LEU:HB3	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD21	20	0.37
(3,1285)	1:31:B:ASP:HB2	1:35:B:ALA:HB2	6	0.37
(3,1264)	1:64:B:LYS:HA	1:63:B:VAL:HG11	3	0.37
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	9	0.37
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	16	0.37
(3,1180)	1:74:B:VAL:HG21	1:76:B:TRP:HZ3	15	0.37
(3,1036)	1:20:B:LEU:HD11	1:19:B:GLU:HG3	8	0.37
(3,1005)	1:83:B:GLU:HG2	1:86:B:ARG:H	4	0.37
(3,1005)	1:83:B:GLU:HG2	1:86:B:ARG:H	13	0.37
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG11	7	0.37
(3,838)	1:102:B:MET:HE3	1:99:B:GLY:HA3	15	0.37
(3,776)	1:73:B:ILE:HG13	1:73:B:ILE:H	10	0.37
(3,677)	1:115:B:VAL:HB	1:119:B:LEU:HD21	13	0.37
(3,620)	1:119:B:LEU:HD11	1:124:B:VAL:HB	3	0.37
(3,602)	1:121:B:LEU:HD12	1:85:B:GLN:HG2	14	0.37
(3,544)	1:124:B:VAL:HG23	1:124:B:VAL:HA	1	0.37
(3,544)	1:124:B:VAL:HG23	1:124:B:VAL:HA	14	0.37
(3,544)	1:124:B:VAL:HG22	1:124:B:VAL:HA	20	0.37
(3,537)	1:125:B:ALA:HB2	1:126:B:GLU:HG3	8	0.37
(3,384)	1:40:B:LEU:HD23	1:13:B:GLU:HG3	6	0.37
(3,356)	1:130:B:LEU:HD22	1:88:B:PHE:HE2	11	0.37
(3,213)	1:94:B:SER:H	1:91:B:PHE:HD1	1	0.37
(3,136)	1:101:B:ILE:H	1:100:B:HIS:HB3	16	0.37
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	10	0.37
(2,52)	1:35:B:ALA:HB1	1:33:B:VAL:HB	8	0.37
(2,52)	1:35:B:ALA:HB2	1:33:B:VAL:HB	8	0.37
(2,52)	1:35:B:ALA:HB3	1:33:B:VAL:HB	8	0.37
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG2	6	0.37
(1,2658)	1:8:B:THR:HB	1:9:B:TRP:HD1	12	0.37
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	3	0.37
(1,2296)	1:43:B:VAL:HG21	1:44:B:PRO:HD2	20	0.37
(1,2296)	1:43:B:VAL:HG22	1:44:B:PRO:HD2	20	0.37
(1,2296)	1:43:B:VAL:HG23	1:44:B:PRO:HD2	20	0.37
(1,2282)	1:43:B:VAL:HG12	1:49:B:GLN:HB3	19	0.37
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	1	0.37
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	1	0.37
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	1	0.37
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	1	0.37
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	1	0.37
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	1	0.37
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	1	0.37
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	1	0.37
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	5	0.37
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	5	0.37
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	5	0.37
(1,1964)	1:60:B:ALA:HA	1:55:B:VAL:HB	3	0.37
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG11	9	0.37
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG12	9	0.37
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG13	9	0.37
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	8	0.37
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG22	11	0.37
(1,1858)	1:72:B:HIS:HE1	1:75:B:LEU:HG	13	0.37
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	18	0.37
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	18	0.37
(1,1388)	1:106:B:THR:HG21	1:80:B:GLN:HG2	3	0.37
(1,1388)	1:106:B:THR:HG22	1:80:B:GLN:HG2	3	0.37
(1,1388)	1:106:B:THR:HG23	1:80:B:GLN:HG2	3	0.37
(1,1286)	1:114:B:ILE:HD11	1:109:B:ARG:HD2	1	0.37
(1,1286)	1:114:B:ILE:HD12	1:109:B:ARG:HD2	1	0.37
(1,1286)	1:114:B:ILE:HD13	1:109:B:ARG:HD2	1	0.37
(1,1234)	1:115:B:VAL:HG21	1:127:B:ARG:HB3	8	0.37
(1,1234)	1:115:B:VAL:HG22	1:127:B:ARG:HB3	8	0.37
(1,1234)	1:115:B:VAL:HG23	1:127:B:ARG:HB3	8	0.37
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	9	0.37
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	9	0.37
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	9	0.37
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	18	0.37
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	18	0.37
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	18	0.37
(1,1178)	1:119:B:LEU:HG	1:126:B:GLU:H	19	0.37
(1,1142)	1:75:B:LEU:HG	1:74:B:VAL:HA	11	0.37
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	15	0.37
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	15	0.37
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	15	0.37
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	3	0.37
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	3	0.37
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	3	0.37
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	3	0.37
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	3	0.37
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	3	0.37
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	3	0.37
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	3	0.37
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	7	0.37
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	7	0.37
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	7	0.37
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	13	0.37
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	13	0.37
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	13	0.37
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HB2	1	0.37
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	4	0.37
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG22	14	0.36
(3,1896)	1:76:B:TRP:HH2	1:84:B:LEU:HD13	5	0.36
(3,1873)	1:118:B:LEU:HD11	1:119:B:LEU:HA	12	0.36
(3,1872)	1:118:B:LEU:HD22	1:115:B:VAL:H	9	0.36
(3,1785)	1:16:B:HIS:HD2	1:13:B:GLU:HA	3	0.36
(3,1737)	1:21:B:TYR:HE2	1:66:B:PHE:HD2	1	0.36
(3,1663)	1:32:B:VAL:HG13	1:36:B:ILE:HD12	8	0.36
(3,1623)	1:36:B:ILE:HG22	1:17:B:LEU:HG	9	0.36
(3,1591)	1:39:B:HIS:HD2	1:40:B:LEU:HD23	11	0.36
(3,1577)	1:40:B:LEU:HD12	1:42:B:THR:HB	13	0.36
(3,1573)	1:40:B:LEU:HD12	1:40:B:LEU:HB3	4	0.36
(3,1573)	1:40:B:LEU:HD12	1:40:B:LEU:HB3	5	0.36
(3,1553)	1:43:B:VAL:HG13	1:9:B:TRP:HE3	8	0.36
(3,1528)	1:46:B:THR:HB	1:45:B:ARG:HG2	15	0.36
(3,1390)	1:54:B:LEU:HD23	1:21:B:TYR:HD1	13	0.36
(3,1388)	1:54:B:LEU:HD21	1:53:B:HIS:H	3	0.36
(3,1384)	1:54:B:LEU:HD22	1:60:B:ALA:HB1	20	0.36
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD23	6	0.36
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD23	7	0.36
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD21	16	0.36
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD11	18	0.36
(3,1298)	1:8:B:THR:HG21	1:7:B:PRO:HB3	2	0.36
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	2	0.36
(3,1232)	1:8:B:THR:HB	1:7:B:PRO:HB2	12	0.36
(3,1231)	1:71:B:THR:HA	1:71:B:THR:HB	19	0.36
(3,1203)	1:73:B:ILE:HD13	1:72:B:HIS:HD2	15	0.36
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	17	0.36
(3,1143)	1:76:B:TRP:HD1	1:117:B:LYS:HB3	19	0.36
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE1	19	0.36
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	20	0.36
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG12	8	0.36
(3,929)	1:97:B:VAL:HG13	1:96:B:ASP:HB3	15	0.36
(3,910)	1:98:B:LEU:HD13	1:96:B:ASP:HB3	4	0.36
(3,897)	1:98:B:LEU:HD23	1:101:B:ILE:HB	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB1	10	0.36
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD11	20	0.36
(3,744)	1:114:B:ILE:HD11	1:101:B:ILE:HA	5	0.36
(3,714)	1:97:B:VAL:HG23	1:89:B:GLU:H	10	0.36
(3,714)	1:97:B:VAL:HG21	1:89:B:GLU:H	17	0.36
(3,689)	1:33:B:VAL:HG23	1:54:B:LEU:HD13	5	0.36
(3,685)	1:84:B:LEU:HD11	1:117:B:LYS:HB2	3	0.36
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD21	18	0.36
(3,560)	1:123:B:LEU:HD21	1:88:B:PHE:HB2	6	0.36
(3,550)	1:124:B:VAL:HG13	1:118:B:LEU:HB3	12	0.36
(3,544)	1:124:B:VAL:HG21	1:124:B:VAL:HA	2	0.36
(3,488)	1:82:B:LEU:HB3	1:85:B:GLN:HB3	11	0.36
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD13	8	0.36
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD12	13	0.36
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE2	14	0.36
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD21	7	0.36
(3,12)	1:9:B:TRP:HE1	1:50:B:ILE:HD11	10	0.36
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD11	1	0.36
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD12	1	0.36
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD13	1	0.36
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	7	0.36
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	9	0.36
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE3	3	0.36
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE3	15	0.36
(1,2638)	1:10:B:SER:HB3	1:11:B:PRO:HG3	11	0.36
(1,2619)	1:11:B:PRO:HA	1:14:B:GLU:HB2	2	0.36
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	19	0.36
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	19	0.36
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	19	0.36
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	9	0.36
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	9	0.36
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	9	0.36
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	9	0.36
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	9	0.36
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	9	0.36
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	9	0.36
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	9	0.36
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	9	0.36
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	10	0.36
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	10	0.36
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	10	0.36
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	10	0.36
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	10	0.36
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	10	0.36
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	10	0.36
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	10	0.36
(1,2278)	1:43:B:VAL:HG21	1:45:B:ARG:HB3	11	0.36
(1,2278)	1:43:B:VAL:HG22	1:45:B:ARG:HB3	11	0.36
(1,2278)	1:43:B:VAL:HG23	1:45:B:ARG:HB3	11	0.36
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD11	8	0.36
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD12	8	0.36
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD13	8	0.36
(1,2197)	1:49:B:GLN:HG2	1:45:B:ARG:HG3	1	0.36
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	15	0.36
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	15	0.36
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	15	0.36
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	16	0.36
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	16	0.36
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	16	0.36
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	16	0.36
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	16	0.36
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	16	0.36
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	18	0.36
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	18	0.36
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	18	0.36
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	18	0.36
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	18	0.36
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	18	0.36
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	18	0.36
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	18	0.36
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	18	0.36
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	20	0.36
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	20	0.36
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	20	0.36
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	17	0.36
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	17	0.36
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	17	0.36
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	14	0.36
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	14	0.36
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	14	0.36
(1,1915)	1:64:B:LYS:HE2	1:64:B:LYS:HA	4	0.36
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	14	0.36
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG21	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	7	0.36
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	7	0.36
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	7	0.36
(1,1763)	1:82:B:LEU:HD11	1:85:B:GLN:HE22	11	0.36
(1,1763)	1:82:B:LEU:HD12	1:85:B:GLN:HE22	11	0.36
(1,1763)	1:82:B:LEU:HD13	1:85:B:GLN:HE22	11	0.36
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	20	0.36
(1,1531)	1:97:B:VAL:HG11	1:88:B:PHE:HE1	5	0.36
(1,1531)	1:97:B:VAL:HG11	1:88:B:PHE:HE2	5	0.36
(1,1531)	1:97:B:VAL:HG12	1:88:B:PHE:HE1	5	0.36
(1,1531)	1:97:B:VAL:HG12	1:88:B:PHE:HE2	5	0.36
(1,1531)	1:97:B:VAL:HG13	1:88:B:PHE:HE1	5	0.36
(1,1531)	1:97:B:VAL:HG13	1:88:B:PHE:HE2	5	0.36
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG21	12	0.36
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG22	12	0.36
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG23	12	0.36
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	18	0.36
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	18	0.36
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	18	0.36
(1,1247)	1:87:B:LEU:HD12	1:91:B:PHE:HD2	5	0.36
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	18	0.36
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	18	0.36
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	18	0.36
(1,980)	1:33:B:VAL:HG11	1:51:B:ILE:HG13	11	0.36
(1,980)	1:33:B:VAL:HG12	1:51:B:ILE:HG13	11	0.36
(1,980)	1:33:B:VAL:HG13	1:51:B:ILE:HG13	11	0.36
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	2	0.36
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	2	0.36
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	2	0.36
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	16	0.36
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	16	0.36
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	16	0.36
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	20	0.36
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	20	0.36
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	20	0.36
(1,678)	1:108:B:LYS:H	1:108:B:LYS:HG3	14	0.36
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	3	0.36
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	12	0.36
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	10	0.36
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG11	5	0.36
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG12	5	0.36
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG13	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	19	0.36
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	19	0.36
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	19	0.36
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	16	0.36
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	2	0.36
(1,25)	1:8:B:THR:H	1:8:B:THR:HG21	1	0.36
(1,25)	1:8:B:THR:H	1:8:B:THR:HG22	1	0.36
(1,25)	1:8:B:THR:H	1:8:B:THR:HG23	1	0.36
(3,1874)	1:118:B:LEU:HD11	1:84:B:LEU:HG	14	0.35
(3,1873)	1:118:B:LEU:HD12	1:119:B:LEU:HA	7	0.35
(3,1863)	1:6:B:ALA:HB2	1:7:B:PRO:HG2	2	0.35
(3,1801)	1:15:B:ALA:HB3	1:14:B:GLU:HB2	1	0.35
(3,1785)	1:16:B:HIS:HD2	1:13:B:GLU:HA	13	0.35
(3,1756)	1:18:B:ARG:HD3	1:18:B:ARG:HB3	10	0.35
(3,1673)	1:32:B:VAL:HB	1:24:B:ASN:H	13	0.35
(3,1635)	1:35:B:ALA:HB1	1:34:B:GLU:H	1	0.35
(3,1596)	1:38:B:ALA:HB3	1:37:B:LEU:HB2	2	0.35
(3,1596)	1:38:B:ALA:HB2	1:37:B:LEU:HB2	9	0.35
(3,1576)	1:22:B:LEU:HD12	1:18:B:ARG:HD3	20	0.35
(3,1573)	1:40:B:LEU:HD12	1:40:B:LEU:HB3	13	0.35
(3,1573)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	19	0.35
(3,1546)	1:43:B:VAL:HG13	1:6:B:ALA:HB1	18	0.35
(3,1528)	1:46:B:THR:HB	1:45:B:ARG:HG2	16	0.35
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD11	18	0.35
(3,1515)	1:127:B:ARG:HA	1:127:B:ARG:HG2	15	0.35
(3,1511)	1:127:B:ARG:HG2	1:127:B:ARG:HA	15	0.35
(3,1376)	1:54:B:LEU:HD13	1:60:B:ALA:HB2	2	0.35
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD22	4	0.35
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD21	8	0.35
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD23	17	0.35
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD22	18	0.35
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD21	1	0.35
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	11	0.35
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	13	0.35
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	2	0.35
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	15	0.35
(3,1232)	1:8:B:THR:HB	1:7:B:PRO:HB2	17	0.35
(3,1231)	1:71:B:THR:HA	1:71:B:THR:HB	16	0.35
(3,1152)	1:76:B:TRP:HB3	1:78:B:GLY:HA2	10	0.35
(3,1134)	1:52:B:HIS:HB3	1:48:B:LYS:HG3	2	0.35
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG22	8	0.35
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1099)	1:34:B:GLU:HG2	1:37:B:LEU:HB2	15	0.35
(3,1074)	1:84:B:LEU:HD11	1:118:B:LEU:HD13	16	0.35
(3,1064)	1:85:B:GLN:HG2	1:84:B:LEU:HG	10	0.35
(3,1064)	1:85:B:GLN:HG2	1:121:B:LEU:HB3	18	0.35
(3,933)	1:97:B:VAL:HG11	1:88:B:PHE:HB3	15	0.35
(3,907)	1:98:B:LEU:HD12	1:118:B:LEU:HD13	10	0.35
(3,846)	1:19:B:GLU:HA	1:22:B:LEU:HB3	5	0.35
(3,842)	1:102:B:MET:HE3	1:114:B:ILE:HD12	19	0.35
(3,830)	1:31:B:ASP:HB3	1:30:B:GLN:HE21	4	0.35
(3,797)	1:133:B:LYS:HG2	1:135:B:GLN:HG3	8	0.35
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD13	7	0.35
(3,767)	1:32:B:VAL:HA	1:30:B:GLN:HB3	12	0.35
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD22	9	0.35
(3,745)	1:114:B:ILE:HD13	1:113:B:ARG:HD2	5	0.35
(3,722)	1:27:B:VAL:HG12	1:30:B:GLN:HE21	15	0.35
(3,709)	1:115:B:VAL:HG12	1:119:B:LEU:H	11	0.35
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD23	11	0.35
(3,631)	1:119:B:LEU:HD11	1:128:B:ARG:H	16	0.35
(3,631)	1:119:B:LEU:HD11	1:128:B:ARG:H	18	0.35
(3,591)	1:20:B:LEU:HD21	1:23:B:ALA:H	11	0.35
(3,572)	1:55:B:VAL:HG21	1:57:B:MET:H	15	0.35
(3,556)	1:124:B:VAL:HG22	1:130:B:LEU:H	9	0.35
(3,544)	1:124:B:VAL:HG21	1:124:B:VAL:HA	6	0.35
(3,452)	1:47:B:ARG:HD2	1:37:B:LEU:HD22	6	0.35
(3,447)	1:134:B:ARG:HB2	1:135:B:GLN:HG3	19	0.35
(3,438)	1:133:B:LYS:HA	1:133:B:LYS:HB2	12	0.35
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	14	0.35
(3,367)	1:98:B:LEU:HD13	1:98:B:LEU:HA	14	0.35
(3,264)	1:117:B:LYS:H	1:121:B:LEU:HD13	17	0.35
(3,136)	1:101:B:ILE:H	1:100:B:HIS:HB3	2	0.35
(3,136)	1:64:B:LYS:H	1:63:B:VAL:HG11	5	0.35
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG21	9	0.35
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG21	13	0.35
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	1	0.35
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD21	11	0.35
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD22	20	0.35
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	18	0.35
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	18	0.35
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	18	0.35
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	8	0.35
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG21	17	0.35
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG22	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:6:B:ALA:H	1:8:B:THR:HG23	17	0.35
(1,2659)	1:8:B:THR:HB	1:9:B:TRP:HB2	1	0.35
(1,2659)	1:8:B:THR:HB	1:9:B:TRP:HB2	7	0.35
(1,2605)	1:14:B:GLU:HG3	1:53:B:HIS:HD2	12	0.35
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE2	1	0.35
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	18	0.35
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	18	0.35
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	18	0.35
(1,2484)	1:25:B:LYS:HD2	1:22:B:LEU:HD21	6	0.35
(1,2484)	1:25:B:LYS:HD2	1:22:B:LEU:HD22	6	0.35
(1,2484)	1:25:B:LYS:HD2	1:22:B:LEU:HD23	6	0.35
(1,2484)	1:25:B:LYS:HD2	1:22:B:LEU:HD21	16	0.35
(1,2484)	1:25:B:LYS:HD2	1:22:B:LEU:HD22	16	0.35
(1,2484)	1:25:B:LYS:HD2	1:22:B:LEU:HD23	16	0.35
(1,2377)	1:119:B:LEU:HG	1:124:B:VAL:H	3	0.35
(1,2282)	1:43:B:VAL:HG12	1:49:B:GLN:HB3	20	0.35
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD11	6	0.35
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD12	6	0.35
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD13	6	0.35
(1,2212)	1:48:B:LYS:HG2	1:51:B:ILE:HG21	1	0.35
(1,2212)	1:48:B:LYS:HG2	1:51:B:ILE:HG22	1	0.35
(1,2212)	1:48:B:LYS:HG2	1:51:B:ILE:HG23	1	0.35
(1,2136)	1:51:B:ILE:HG21	1:63:B:VAL:HB	10	0.35
(1,2136)	1:51:B:ILE:HG22	1:63:B:VAL:HB	10	0.35
(1,2136)	1:51:B:ILE:HG23	1:63:B:VAL:HB	10	0.35
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	7	0.35
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	7	0.35
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	7	0.35
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	17	0.35
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	17	0.35
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	17	0.35
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	20	0.35
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	20	0.35
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	20	0.35
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	1	0.35
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	6	0.35
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	6	0.35
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	6	0.35
(1,1806)	1:74:B:VAL:HG11	1:109:B:ARG:HD3	8	0.35
(1,1806)	1:74:B:VAL:HG12	1:109:B:ARG:HD3	8	0.35
(1,1806)	1:74:B:VAL:HG13	1:109:B:ARG:HD3	8	0.35
(1,1633)	1:90:B:GLU:HG3	1:86:B:ARG:HA	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD21	12	0.35
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD22	12	0.35
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD23	12	0.35
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	3	0.35
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	3	0.35
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	3	0.35
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	17	0.35
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	17	0.35
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	17	0.35
(1,1421)	1:105:B:ILE:HG21	1:102:B:MET:HG3	13	0.35
(1,1421)	1:105:B:ILE:HG22	1:102:B:MET:HG3	13	0.35
(1,1421)	1:105:B:ILE:HG23	1:102:B:MET:HG3	13	0.35
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	1	0.35
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	1	0.35
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	1	0.35
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD3	1	0.35
(1,1357)	1:108:B:LYS:HB2	1:105:B:ILE:HG23	6	0.35
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG11	20	0.35
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG12	20	0.35
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG13	20	0.35
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	10	0.35
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	10	0.35
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	10	0.35
(1,1247)	1:87:B:LEU:HD12	1:91:B:PHE:HD2	10	0.35
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	4	0.35
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	4	0.35
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	4	0.35
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	10	0.35
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	10	0.35
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	10	0.35
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG21	13	0.35
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG22	13	0.35
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG23	13	0.35
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	8	0.35
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	8	0.35
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	8	0.35
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	16	0.35
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	16	0.35
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	16	0.35
(1,1138)	1:121:B:LEU:HD11	1:85:B:GLN:HB2	18	0.35
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	3	0.35
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	3	0.35
(1,1036)	1:126:B:GLU:HG3	1:128:B:ARG:HD2	3	0.35
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	15	0.35
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	15	0.35
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	15	0.35
(1,966)	1:131:B:TYR:HD1	1:130:B:LEU:H	18	0.35
(1,966)	1:131:B:TYR:HD2	1:130:B:LEU:H	18	0.35
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	3	0.35
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	3	0.35
(1,645)	1:103:B:LYS:H	1:103:B:LYS:HG3	12	0.35
(1,588)	1:92:B:ARG:H	1:92:B:ARG:HB3	9	0.35
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	6	0.35
(1,454)	1:70:B:GLY:H	1:68:B:ARG:HB3	7	0.35
(1,409)	1:64:B:LYS:H	1:65:B:ASP:HB3	16	0.35
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	2	0.35
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	5	0.35
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	17	0.35
(3,1894)	1:117:B:LYS:HD3	1:120:B:ALA:H	14	0.34
(3,1873)	1:118:B:LEU:HD11	1:119:B:LEU:HA	13	0.34
(3,1785)	1:16:B:HIS:HD2	1:13:B:GLU:HA	5	0.34
(3,1776)	1:17:B:LEU:HD23	1:19:B:GLU:H	19	0.34
(3,1622)	1:36:B:ILE:HG22	1:20:B:LEU:HG	15	0.34
(3,1610)	1:119:B:LEU:HD22	1:116:B:ASP:H	4	0.34
(3,1595)	1:38:B:ALA:HB1	1:37:B:LEU:HB3	4	0.34
(3,1579)	1:40:B:LEU:HD13	1:9:B:TRP:HE3	15	0.34
(3,1573)	1:40:B:LEU:HD13	1:40:B:LEU:HB3	12	0.34
(3,1573)	1:40:B:LEU:HD12	1:40:B:LEU:HB3	17	0.34
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	3	0.34
(3,1545)	1:43:B:VAL:HG11	1:7:B:PRO:HB2	2	0.34
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD13	3	0.34
(3,1516)	1:127:B:ARG:HB3	1:115:B:VAL:HG13	13	0.34
(3,1440)	1:51:B:ILE:HD12	1:67:B:GLN:HB3	4	0.34
(3,1439)	1:51:B:ILE:HD12	1:52:B:HIS:HB2	1	0.34
(3,1433)	1:51:B:ILE:HG21	1:55:B:VAL:HG13	20	0.34
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	6	0.34
(3,1376)	1:54:B:LEU:HD13	1:32:B:VAL:HG13	4	0.34
(3,1374)	1:54:B:LEU:HD11	1:17:B:LEU:HB3	5	0.34
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD22	15	0.34
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD11	17	0.34
(3,1322)	1:37:B:LEU:HD23	1:48:B:LYS:H	16	0.34
(3,1288)	1:61:B:ASP:HB3	1:64:B:LYS:HD2	17	0.34
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1182)	1:74:B:VAL:HG21	1:109:B:ARG:HB2	8	0.34
(3,1143)	1:76:B:TRP:HD1	1:117:B:LYS:HB3	10	0.34
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	17	0.34
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD21	3	0.34
(3,1038)	1:20:B:LEU:HD13	1:19:B:GLU:H	10	0.34
(3,929)	1:97:B:VAL:HG11	1:96:B:ASP:HB2	7	0.34
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	8	0.34
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	9	0.34
(3,915)	1:98:B:LEU:HD22	1:115:B:VAL:H	18	0.34
(3,910)	1:98:B:LEU:HD13	1:96:B:ASP:HB3	5	0.34
(3,910)	1:98:B:LEU:HD11	1:96:B:ASP:HB3	6	0.34
(3,841)	1:102:B:MET:HE1	1:109:B:ARG:HG3	2	0.34
(3,838)	1:102:B:MET:HE1	1:99:B:GLY:HA3	17	0.34
(3,797)	1:64:B:LYS:HG2	1:65:B:ASP:HB3	7	0.34
(3,767)	1:62:B:SER:HB2	1:64:B:LYS:HB2	13	0.34
(3,747)	1:114:B:ILE:HD12	1:105:B:ILE:HG12	17	0.34
(3,714)	1:97:B:VAL:HG23	1:89:B:GLU:H	20	0.34
(3,713)	1:22:B:LEU:HD23	1:22:B:LEU:H	6	0.34
(3,696)	1:97:B:VAL:HG22	1:92:B:ARG:HA	11	0.34
(3,691)	1:97:B:VAL:HG22	1:88:B:PHE:HB2	13	0.34
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD21	4	0.34
(3,591)	1:20:B:LEU:HD23	1:23:B:ALA:H	19	0.34
(3,572)	1:55:B:VAL:HG21	1:57:B:MET:H	1	0.34
(3,551)	1:124:B:VAL:HG12	1:124:B:VAL:HG22	18	0.34
(3,544)	1:124:B:VAL:HG23	1:124:B:VAL:HA	7	0.34
(3,453)	1:47:B:ARG:HD2	1:37:B:LEU:HD21	20	0.34
(3,411)	1:132:B:LYS:HG2	1:132:B:LYS:HA	6	0.34
(3,411)	1:133:B:LYS:HG2	1:133:B:LYS:HA	7	0.34
(3,385)	1:82:B:LEU:HD23	1:85:B:GLN:HB3	2	0.34
(3,356)	1:130:B:LEU:HD23	1:88:B:PHE:HE2	15	0.34
(3,325)	1:141:B:SER:H	1:124:B:VAL:HB	14	0.34
(3,264)	1:117:B:LYS:H	1:118:B:LEU:HD23	2	0.34
(3,264)	1:117:B:LYS:H	1:121:B:LEU:HD11	11	0.34
(3,257)	1:116:B:ASP:H	1:127:B:ARG:HG3	13	0.34
(3,183)	1:84:B:LEU:H	1:82:B:LEU:HD12	7	0.34
(3,148)	1:67:B:GLN:H	1:68:B:ARG:HG2	6	0.34
(3,136)	1:64:B:LYS:H	1:63:B:VAL:HG12	17	0.34
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	4	0.34
(2,31)	1:104:B:ASN:HB2	1:100:B:HIS:H	17	0.34
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	3	0.34
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	3	0.34
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	5	0.34
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	5	0.34
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	5	0.34
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	4	0.34
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	4	0.34
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	4	0.34
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	15	0.34
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	15	0.34
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	15	0.34
(1,2566)	1:17:B:LEU:HD21	1:53:B:HIS:HD2	11	0.34
(1,2566)	1:17:B:LEU:HD22	1:53:B:HIS:HD2	11	0.34
(1,2566)	1:17:B:LEU:HD23	1:53:B:HIS:HD2	11	0.34
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	8	0.34
(1,2296)	1:43:B:VAL:HG21	1:44:B:PRO:HD2	14	0.34
(1,2296)	1:43:B:VAL:HG22	1:44:B:PRO:HD2	14	0.34
(1,2296)	1:43:B:VAL:HG23	1:44:B:PRO:HD2	14	0.34
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	6	0.34
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	6	0.34
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	6	0.34
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	7	0.34
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	7	0.34
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	7	0.34
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	10	0.34
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	10	0.34
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	10	0.34
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	15	0.34
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	15	0.34
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	15	0.34
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	20	0.34
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	20	0.34
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	20	0.34
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	13	0.34
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	13	0.34
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	13	0.34
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	13	0.34
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	13	0.34
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	13	0.34
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	16	0.34
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	16	0.34
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	16	0.34
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	8	0.34
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	18	0.34
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HD13	17	0.34
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	19	0.34
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	19	0.34
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	19	0.34
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	6	0.34
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	6	0.34
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	6	0.34
(1,1592)	1:92:B:ARG:HD3	1:88:B:PHE:HE1	10	0.34
(1,1592)	1:92:B:ARG:HD3	1:88:B:PHE:HE2	10	0.34
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG11	3	0.34
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG12	3	0.34
(1,1545)	1:24:B:ASN:HA	1:27:B:VAL:HG13	3	0.34
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	14	0.34
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	14	0.34
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	14	0.34
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	14	0.34
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	14	0.34
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	14	0.34
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	14	0.34
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	14	0.34
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	14	0.34
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD21	6	0.34
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD22	6	0.34
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD23	6	0.34
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG21	12	0.34
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG22	12	0.34
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG23	12	0.34
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD21	4	0.34
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD22	4	0.34
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD23	4	0.34
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD21	4	0.34
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD22	4	0.34
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD23	4	0.34
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD21	4	0.34
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD22	4	0.34
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD23	4	0.34
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG21	15	0.34
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG22	15	0.34
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG23	15	0.34
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	16	0.34
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	16	0.34
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	2	0.34
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	2	0.34
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	2	0.34
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	16	0.34
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	16	0.34
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	16	0.34
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	19	0.34
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	19	0.34
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	19	0.34
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	4	0.34
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	4	0.34
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	4	0.34
(1,954)	1:131:B:TYR:HE1	1:127:B:ARG:HG2	12	0.34
(1,954)	1:131:B:TYR:HE2	1:127:B:ARG:HG2	12	0.34
(1,888)	1:75:B:LEU:HD21	1:75:B:LEU:HA	9	0.34
(1,888)	1:75:B:LEU:HD22	1:75:B:LEU:HA	9	0.34
(1,888)	1:75:B:LEU:HD23	1:75:B:LEU:HA	9	0.34
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	1	0.34
(1,608)	1:94:B:SER:H	1:91:B:PHE:HA	1	0.34
(1,588)	1:92:B:ARG:H	1:92:B:ARG:HB3	3	0.34
(1,588)	1:92:B:ARG:H	1:92:B:ARG:HB3	11	0.34
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HG3	4	0.34
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HB2	15	0.34
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HG3	16	0.34
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HG3	18	0.34
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	13	0.34
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	7	0.34
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	7	0.34
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	7	0.34
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	7	0.34
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	9	0.34
(3,1862)	1:6:B:ALA:HA	1:5:B:ARG:HB3	19	0.33
(3,1802)	1:15:B:ALA:HB3	1:14:B:GLU:HB3	9	0.33
(3,1801)	1:15:B:ALA:HB1	1:14:B:GLU:HB2	2	0.33
(3,1773)	1:17:B:LEU:HD12	1:40:B:LEU:H	8	0.33
(3,1756)	1:18:B:ARG:HD3	1:18:B:ARG:HB3	14	0.33
(3,1756)	1:18:B:ARG:HD3	1:18:B:ARG:HB3	16	0.33
(3,1751)	1:113:B:ARG:HD3	1:74:B:VAL:HG21	6	0.33
(3,1670)	1:32:B:VAL:HG23	1:22:B:LEU:H	4	0.33
(3,1635)	1:35:B:ALA:HB3	1:34:B:GLU:H	13	0.33
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1569)	1:40:B:LEU:HB2	1:37:B:LEU:HA	15	0.33
(3,1551)	1:43:B:VAL:HG21	1:9:B:TRP:HE3	6	0.33
(3,1551)	1:43:B:VAL:HG22	1:9:B:TRP:HE3	19	0.33
(3,1515)	1:127:B:ARG:HA	1:127:B:ARG:HG2	18	0.33
(3,1511)	1:127:B:ARG:HG2	1:127:B:ARG:HA	18	0.33
(3,1450)	1:51:B:ILE:HG22	1:66:B:PHE:HE1	12	0.33
(3,1439)	1:51:B:ILE:HD11	1:47:B:ARG:HD2	14	0.33
(3,1433)	1:51:B:ILE:HG22	1:55:B:VAL:HG11	18	0.33
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD23	2	0.33
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD23	6	0.33
(3,1388)	1:54:B:LEU:HD21	1:53:B:HIS:H	11	0.33
(3,1360)	1:55:B:VAL:HG11	1:63:B:VAL:HB	17	0.33
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD22	1	0.33
(3,1338)	1:57:B:MET:HE2	1:57:B:MET:HB3	10	0.33
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	3	0.33
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG12	1	0.33
(3,1257)	1:66:B:PHE:HB2	1:32:B:VAL:HG11	15	0.33
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	4	0.33
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	16	0.33
(3,1227)	1:71:B:THR:HB	1:73:B:ILE:HG13	13	0.33
(3,1184)	1:74:B:VAL:HG22	1:107:B:ALA:HB1	6	0.33
(3,1152)	1:76:B:TRP:HB3	1:78:B:GLY:HA2	13	0.33
(3,1149)	1:52:B:HIS:HB3	1:56:B:GLN:HA	3	0.33
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	15	0.33
(3,1143)	1:76:B:TRP:HD1	1:75:B:LEU:HG	2	0.33
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	12	0.33
(3,1038)	1:20:B:LEU:HD11	1:19:B:GLU:H	6	0.33
(3,938)	1:97:B:VAL:HG23	1:88:B:PHE:HD1	10	0.33
(3,933)	1:97:B:VAL:HG13	1:88:B:PHE:HB3	12	0.33
(3,933)	1:97:B:VAL:HG12	1:111:B:ARG:HD3	16	0.33
(3,929)	1:97:B:VAL:HG11	1:96:B:ASP:HB2	9	0.33
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	7	0.33
(3,754)	1:44:B:PRO:HG3	1:43:B:VAL:HG23	7	0.33
(3,749)	1:114:B:ILE:HD12	1:118:B:LEU:HD23	13	0.33
(3,747)	1:114:B:ILE:HD13	1:105:B:ILE:HG12	12	0.33
(3,713)	1:22:B:LEU:HD23	1:22:B:LEU:H	13	0.33
(3,670)	1:115:B:VAL:HA	1:130:B:LEU:HD11	15	0.33
(3,655)	1:116:B:ASP:HB3	1:115:B:VAL:HA	19	0.33
(3,631)	1:119:B:LEU:HD11	1:128:B:ARG:H	20	0.33
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD21	9	0.33
(3,591)	1:20:B:LEU:HD23	1:23:B:ALA:H	3	0.33
(3,589)	1:84:B:LEU:HD22	1:118:B:LEU:H	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,544)	1:124:B:VAL:HG22	1:124:B:VAL:HA	8	0.33
(3,544)	1:124:B:VAL:HG21	1:124:B:VAL:HA	19	0.33
(3,482)	1:14:B:GLU:HG2	1:57:B:MET:HE2	17	0.33
(3,425)	1:134:B:ARG:HA	1:134:B:ARG:HD3	14	0.33
(3,405)	1:137:B:LYS:HD2	1:137:B:LYS:HA	11	0.33
(3,395)	1:48:B:LYS:HE3	1:52:B:HIS:HE1	6	0.33
(3,380)	1:37:B:LEU:HG	1:34:B:GLU:HG2	4	0.33
(3,356)	1:130:B:LEU:HD23	1:88:B:PHE:HE1	16	0.33
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD11	19	0.33
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD23	11	0.33
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD22	12	0.33
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD21	5	0.33
(1,2687)	1:6:B:ALA:HB1	1:49:B:GLN:HE22	11	0.33
(1,2687)	1:6:B:ALA:HB2	1:49:B:GLN:HE22	11	0.33
(1,2687)	1:6:B:ALA:HB3	1:49:B:GLN:HE22	11	0.33
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	7	0.33
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	7	0.33
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	7	0.33
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	14	0.33
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	14	0.33
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	14	0.33
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	14	0.33
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	14	0.33
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	14	0.33
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	15	0.33
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	15	0.33
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	15	0.33
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	13	0.33
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	13	0.33
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	13	0.33
(1,2386)	1:36:B:ILE:HB	1:33:B:VAL:HA	6	0.33
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	12	0.33
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	12	0.33
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	12	0.33
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	16	0.33
(1,2177)	1:50:B:ILE:HD11	1:37:B:LEU:HB3	11	0.33
(1,2177)	1:50:B:ILE:HD12	1:37:B:LEU:HB3	11	0.33
(1,2177)	1:50:B:ILE:HD13	1:37:B:LEU:HB3	11	0.33
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	9	0.33
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	9	0.33
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	9	0.33
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	14	0.33
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	14	0.33
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	17	0.33
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	17	0.33
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	17	0.33
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	3	0.33
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	3	0.33
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	3	0.33
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD1	15	0.33
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG3	19	0.33
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG3	19	0.33
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG3	19	0.33
(1,1915)	1:64:B:LYS:HE2	1:64:B:LYS:HA	3	0.33
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD21	13	0.33
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD22	13	0.33
(1,1878)	1:67:B:GLN:HG2	1:37:B:LEU:HD23	13	0.33
(1,1644)	1:89:B:GLU:HG3	1:92:B:ARG:HD2	3	0.33
(1,1632)	1:45:B:ARG:HB2	1:48:B:LYS:HE2	19	0.33
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	4	0.33
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	4	0.33
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	2	0.33
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	2	0.33
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	2	0.33
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	2	0.33
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	2	0.33
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	2	0.33
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	17	0.33
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	17	0.33
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	17	0.33
(1,1433)	1:103:B:LYS:HE3	1:103:B:LYS:HG2	13	0.33
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG21	18	0.33
(1,1213)	1:115:B:VAL:HG11	1:130:B:LEU:HG	8	0.33
(1,1213)	1:115:B:VAL:HG12	1:130:B:LEU:HG	8	0.33
(1,1213)	1:115:B:VAL:HG13	1:130:B:LEU:HG	8	0.33
(1,1166)	1:119:B:LEU:HD11	1:119:B:LEU:HA	10	0.33
(1,1166)	1:119:B:LEU:HD12	1:119:B:LEU:HA	10	0.33
(1,1166)	1:119:B:LEU:HD13	1:119:B:LEU:HA	10	0.33
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	6	0.33
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	6	0.33
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	6	0.33
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	9	0.33
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	9	0.33
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	11	0.33
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	11	0.33
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	11	0.33
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	17	0.33
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	15	0.33
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	15	0.33
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	15	0.33
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	13	0.33
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	13	0.33
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	10	0.33
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	10	0.33
(1,929)	1:67:B:GLN:HG2	1:51:B:ILE:HG12	5	0.33
(1,929)	1:67:B:GLN:HG3	1:51:B:ILE:HG12	8	0.33
(1,879)	1:59:B:LEU:HD21	1:21:B:TYR:HD1	1	0.33
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD2	3	0.33
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD1	5	0.33
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD2	5	0.33
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD1	5	0.33
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD2	5	0.33
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD1	5	0.33
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD2	5	0.33
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	7	0.33
(1,588)	1:92:B:ARG:H	1:92:B:ARG:HB3	7	0.33
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HB2	8	0.33
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HG3	10	0.33
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	11	0.33
(1,336)	1:53:B:HIS:H	1:55:B:VAL:HG21	3	0.33
(1,336)	1:53:B:HIS:H	1:55:B:VAL:HG22	3	0.33
(1,336)	1:53:B:HIS:H	1:55:B:VAL:HG23	3	0.33
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	1	0.33
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	1	0.33
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	1	0.33
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	3	0.33
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	3	0.33
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	3	0.33
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG11	7	0.33
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG12	7	0.33
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG13	7	0.33
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE1	12	0.33
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE2	12	0.33
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE3	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	1	0.33
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	8	0.33
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	11	0.33
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	15	0.33
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	10	0.33
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG21	11	0.32
(3,1860)	1:60:B:ALA:HA	1:54:B:LEU:HB2	11	0.32
(3,1801)	1:15:B:ALA:HB3	1:14:B:GLU:HB2	7	0.32
(3,1756)	1:18:B:ARG:HD3	1:18:B:ARG:HB3	6	0.32
(3,1756)	1:18:B:ARG:HD3	1:18:B:ARG:HB3	9	0.32
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD13	13	0.32
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	5	0.32
(3,1610)	1:119:B:LEU:HD22	1:116:B:ASP:H	18	0.32
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	19	0.32
(3,1573)	1:40:B:LEU:HD12	1:40:B:LEU:HB3	3	0.32
(3,1551)	1:43:B:VAL:HG22	1:9:B:TRP:HE3	18	0.32
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	6	0.32
(3,1434)	1:51:B:ILE:HG22	1:54:B:LEU:HB3	10	0.32
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	20	0.32
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD23	13	0.32
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD23	19	0.32
(3,1322)	1:37:B:LEU:HD22	1:48:B:LYS:H	14	0.32
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	20	0.32
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB2	3	0.32
(3,1180)	1:74:B:VAL:HG23	1:76:B:TRP:HZ3	3	0.32
(3,1178)	1:27:B:VAL:HG22	1:30:B:GLN:HE21	1	0.32
(3,1174)	1:74:B:VAL:HG12	1:75:B:LEU:HG	6	0.32
(3,1172)	1:74:B:VAL:HG13	1:109:B:ARG:HB2	19	0.32
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG22	11	0.32
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	13	0.32
(3,1099)	1:34:B:GLU:HG2	1:37:B:LEU:HB2	2	0.32
(3,973)	1:66:B:PHE:HE1	1:55:B:VAL:HA	13	0.32
(3,910)	1:98:B:LEU:HD13	1:96:B:ASP:HB3	14	0.32
(3,893)	1:98:B:LEU:HD21	1:118:B:LEU:HD11	6	0.32
(3,863)	1:36:B:ILE:HD13	1:54:B:LEU:HG	3	0.32
(3,841)	1:102:B:MET:HE3	1:109:B:ARG:HB3	3	0.32
(3,713)	1:22:B:LEU:HD23	1:22:B:LEU:H	4	0.32
(3,713)	1:22:B:LEU:HD22	1:22:B:LEU:H	20	0.32
(3,685)	1:84:B:LEU:HD13	1:109:B:ARG:HG2	2	0.32
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD23	9	0.32
(3,631)	1:119:B:LEU:HD12	1:128:B:ARG:H	5	0.32
(3,620)	1:119:B:LEU:HD11	1:127:B:ARG:HB2	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,611)	1:120:B:ALA:HB1	1:119:B:LEU:HB2	10	0.32
(3,610)	1:112:B:ALA:HB3	1:111:B:ARG:HB2	12	0.32
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD11	12	0.32
(3,544)	1:124:B:VAL:HG22	1:124:B:VAL:HA	4	0.32
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD13	3	0.32
(3,470)	1:64:B:LYS:HE3	1:70:B:GLY:H	18	0.32
(3,361)	1:82:B:LEU:HD12	1:85:B:GLN:H	8	0.32
(3,361)	1:82:B:LEU:HD11	1:85:B:GLN:H	12	0.32
(3,356)	1:130:B:LEU:HD21	1:88:B:PHE:HE2	18	0.32
(3,316)	1:135:B:GLN:H	1:134:B:ARG:HD3	16	0.32
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD12	10	0.32
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD13	15	0.32
(3,269)	1:118:B:LEU:H	1:123:B:LEU:HB2	16	0.32
(3,263)	1:117:B:LYS:H	1:74:B:VAL:HG13	17	0.32
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD22	15	0.32
(3,148)	1:67:B:GLN:H	1:51:B:ILE:HB	7	0.32
(1,2701)	1:118:B:LEU:HD11	1:88:B:PHE:HB3	12	0.32
(1,2701)	1:118:B:LEU:HD12	1:88:B:PHE:HB3	12	0.32
(1,2701)	1:118:B:LEU:HD13	1:88:B:PHE:HB3	12	0.32
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE2	20	0.32
(1,2619)	1:11:B:PRO:HA	1:14:B:GLU:HB2	1	0.32
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	5	0.32
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	5	0.32
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	5	0.32
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE1	6	0.32
(1,2465)	1:86:B:ARG:HB3	1:91:B:PHE:HE2	6	0.32
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	7	0.32
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	7	0.32
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	7	0.32
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	7	0.32
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	7	0.32
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	7	0.32
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	7	0.32
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	7	0.32
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	7	0.32
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	11	0.32
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	11	0.32
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	11	0.32
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	11	0.32
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	11	0.32
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	11	0.32
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	11	0.32
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	11	0.32
(1,2324)	1:131:B:TYR:HB2	1:128:B:ARG:HG3	1	0.32
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG21	8	0.32
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG22	8	0.32
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG23	8	0.32
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG21	8	0.32
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG22	8	0.32
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG23	8	0.32
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG21	8	0.32
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG22	8	0.32
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG23	8	0.32
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG11	15	0.32
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG12	15	0.32
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG13	15	0.32
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	5	0.32
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	5	0.32
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	5	0.32
(1,2118)	1:52:B:HIS:HE1	1:55:B:VAL:HG21	1	0.32
(1,2118)	1:52:B:HIS:HE1	1:55:B:VAL:HG22	1	0.32
(1,2118)	1:52:B:HIS:HE1	1:55:B:VAL:HG23	1	0.32
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	8	0.32
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	8	0.32
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	8	0.32
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	18	0.32
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	18	0.32
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	18	0.32
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	20	0.32
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	20	0.32
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	20	0.32
(1,1881)	1:133:B:LYS:HA	1:131:B:TYR:HB2	2	0.32
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	3	0.32
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE2	17	0.32
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	9	0.32
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	9	0.32
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	9	0.32
(1,1511)	1:37:B:LEU:HB3	1:36:B:ILE:H	17	0.32
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	8	0.32
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	8	0.32
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	8	0.32
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	5	0.32
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	5	0.32
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG23	20	0.32
(1,1282)	1:114:B:ILE:HD11	1:76:B:TRP:HH2	10	0.32
(1,1282)	1:114:B:ILE:HD12	1:76:B:TRP:HH2	10	0.32
(1,1282)	1:114:B:ILE:HD13	1:76:B:TRP:HH2	10	0.32
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	11	0.32
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	11	0.32
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	11	0.32
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	13	0.32
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	13	0.32
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	13	0.32
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	1	0.32
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	1	0.32
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	1	0.32
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	1	0.32
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	1	0.32
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	1	0.32
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	1	0.32
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	1	0.32
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	1	0.32
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	12	0.32
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	12	0.32
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	12	0.32
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG2	3	0.32
(1,919)	1:133:B:LYS:HB2	1:134:B:ARG:HD3	11	0.32
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD1	8	0.32
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD2	8	0.32
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD1	8	0.32
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD2	8	0.32
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD1	8	0.32
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD2	8	0.32
(1,859)	1:63:B:VAL:HA	1:66:B:PHE:HD1	2	0.32
(1,859)	1:63:B:VAL:HA	1:66:B:PHE:HD2	2	0.32
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG2	1	0.32
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG2	15	0.32
(1,608)	1:94:B:SER:H	1:91:B:PHE:HA	4	0.32
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HB2	2	0.32
(1,537)	1:85:B:GLN:HE21	1:85:B:GLN:HG3	11	0.32
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	9	0.32
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	18	0.32
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	18	0.32
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	20	0.32
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	18	0.32
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	17	0.32
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	12	0.32
(3,1907)	1:76:B:TRP:HE3	1:74:B:VAL:HG12	11	0.31
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE2	4	0.31
(3,1872)	1:118:B:LEU:HD23	1:115:B:VAL:H	13	0.31
(3,1756)	1:18:B:ARG:HD3	1:18:B:ARG:HB3	19	0.31
(3,1738)	1:21:B:TYR:HE1	1:22:B:LEU:H	1	0.31
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG21	9	0.31
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD11	17	0.31
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	6	0.31
(3,1603)	1:37:B:LEU:HA	1:37:B:LEU:HB2	11	0.31
(3,1596)	1:38:B:ALA:HB1	1:37:B:LEU:HB2	15	0.31
(3,1595)	1:38:B:ALA:HB3	1:37:B:LEU:HB3	2	0.31
(3,1595)	1:38:B:ALA:HB2	1:37:B:LEU:HB3	9	0.31
(3,1583)	1:113:B:ARG:HG2	1:112:B:ALA:H	16	0.31
(3,1577)	1:40:B:LEU:HD12	1:42:B:THR:HB	3	0.31
(3,1576)	1:40:B:LEU:HD11	1:16:B:HIS:HB3	7	0.31
(3,1573)	1:40:B:LEU:HD11	1:40:B:LEU:HB3	8	0.31
(3,1573)	1:40:B:LEU:HD12	1:40:B:LEU:HB3	9	0.31
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	4	0.31
(3,1560)	1:41:B:ASN:HB2	1:40:B:LEU:HB3	6	0.31
(3,1545)	1:43:B:VAL:HG11	1:7:B:PRO:HB2	14	0.31
(3,1536)	1:45:B:ARG:HD2	1:13:B:GLU:HG2	14	0.31
(3,1515)	1:127:B:ARG:HA	1:127:B:ARG:HG2	2	0.31
(3,1511)	1:127:B:ARG:HG2	1:127:B:ARG:HA	2	0.31
(3,1450)	1:51:B:ILE:HG21	1:52:B:HIS:HD2	7	0.31
(3,1440)	1:51:B:ILE:HD12	1:67:B:GLN:HB3	8	0.31
(3,1388)	1:54:B:LEU:HD23	1:56:B:GLN:H	6	0.31
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD23	9	0.31
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD21	16	0.31
(3,1338)	1:57:B:MET:HE3	1:57:B:MET:HB3	9	0.31
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD21	8	0.31
(3,1298)	1:8:B:THR:HG21	1:7:B:PRO:HB3	3	0.31
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	7	0.31
(3,1218)	1:72:B:HIS:HD2	1:113:B:ARG:HA	7	0.31
(3,1178)	1:27:B:VAL:HG22	1:30:B:GLN:HE21	15	0.31
(3,1075)	1:17:B:LEU:HD13	1:19:B:GLU:H	3	0.31
(3,1050)	1:82:B:LEU:HG	1:83:B:GLU:HG3	8	0.31
(3,973)	1:66:B:PHE:HE1	1:55:B:VAL:HA	15	0.31
(3,933)	1:97:B:VAL:HG12	1:88:B:PHE:HB3	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,893)	1:98:B:LEU:HD22	1:118:B:LEU:HD12	11	0.31
(3,864)	1:105:B:ILE:HD11	1:109:B:ARG:HD2	15	0.31
(3,863)	1:36:B:ILE:HD13	1:54:B:LEU:HG	19	0.31
(3,838)	1:102:B:MET:HE3	1:99:B:GLY:HA3	19	0.31
(3,767)	1:62:B:SER:HB2	1:64:B:LYS:HB2	4	0.31
(3,744)	1:114:B:ILE:HD13	1:101:B:ILE:HA	18	0.31
(3,631)	1:119:B:LEU:HD11	1:128:B:ARG:H	9	0.31
(3,591)	1:20:B:LEU:HD22	1:23:B:ALA:H	4	0.31
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD12	1	0.31
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD12	18	0.31
(3,551)	1:124:B:VAL:HG11	1:124:B:VAL:HG21	1	0.31
(3,551)	1:124:B:VAL:HG11	1:124:B:VAL:HG23	17	0.31
(3,505)	1:13:B:GLU:HG2	1:40:B:LEU:HG	16	0.31
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD13	9	0.31
(3,418)	1:132:B:LYS:HB2	1:131:B:TYR:HB3	2	0.31
(3,359)	1:98:B:LEU:HD11	1:131:B:TYR:HD2	2	0.31
(3,349)	1:33:B:VAL:HG11	1:37:B:LEU:H	16	0.31
(3,323)	1:139:B:ALA:H	1:137:B:LYS:HA	8	0.31
(3,195)	1:86:B:ARG:H	1:87:B:LEU:HD21	10	0.31
(3,183)	1:84:B:LEU:H	1:82:B:LEU:HD13	15	0.31
(3,172)	1:82:B:LEU:H	1:81:B:GLU:HG3	7	0.31
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG22	1	0.31
(3,145)	1:66:B:PHE:H	1:65:B:ASP:HB3	11	0.31
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD22	16	0.31
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	19	0.31
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG2	18	0.31
(1,2751)	1:108:B:LYS:HG2	1:108:B:LYS:H	20	0.31
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	16	0.31
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	16	0.31
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	16	0.31
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG21	12	0.31
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG22	12	0.31
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG23	12	0.31
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG21	12	0.31
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG22	12	0.31
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG23	12	0.31
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG21	12	0.31
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG22	12	0.31
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG23	12	0.31
(1,2651)	1:9:B:TRP:HZ2	1:49:B:GLN:HG2	9	0.31
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	2	0.31
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	2	0.31
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	7	0.31
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	7	0.31
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	7	0.31
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	8	0.31
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	8	0.31
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	8	0.31
(1,2562)	1:17:B:LEU:HD11	1:9:B:TRP:HH2	11	0.31
(1,2562)	1:17:B:LEU:HD12	1:9:B:TRP:HH2	11	0.31
(1,2562)	1:17:B:LEU:HD13	1:9:B:TRP:HH2	11	0.31
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD21	10	0.31
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD22	10	0.31
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD23	10	0.31
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD21	10	0.31
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD22	10	0.31
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD23	10	0.31
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD21	10	0.31
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD22	10	0.31
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD23	10	0.31
(1,2549)	1:17:B:LEU:HD11	1:54:B:LEU:HD11	5	0.31
(1,2549)	1:17:B:LEU:HD11	1:54:B:LEU:HD12	5	0.31
(1,2549)	1:17:B:LEU:HD11	1:54:B:LEU:HD13	5	0.31
(1,2549)	1:17:B:LEU:HD12	1:54:B:LEU:HD11	5	0.31
(1,2549)	1:17:B:LEU:HD12	1:54:B:LEU:HD12	5	0.31
(1,2549)	1:17:B:LEU:HD12	1:54:B:LEU:HD13	5	0.31
(1,2549)	1:17:B:LEU:HD13	1:54:B:LEU:HD11	5	0.31
(1,2549)	1:17:B:LEU:HD13	1:54:B:LEU:HD12	5	0.31
(1,2549)	1:17:B:LEU:HD13	1:54:B:LEU:HD13	5	0.31
(1,2450)	1:61:B:ASP:HB2	1:64:B:LYS:H	7	0.31
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	12	0.31
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	12	0.31
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	12	0.31
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	12	0.31
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	12	0.31
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	12	0.31
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	12	0.31
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	12	0.31
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	12	0.31
(1,2386)	1:36:B:ILE:HB	1:33:B:VAL:HA	4	0.31
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	18	0.31
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	4	0.31
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	4	0.31
(1,2296)	1:43:B:VAL:HG21	1:44:B:PRO:HD2	18	0.31
(1,2296)	1:43:B:VAL:HG22	1:44:B:PRO:HD2	18	0.31
(1,2296)	1:43:B:VAL:HG23	1:44:B:PRO:HD2	18	0.31
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD11	11	0.31
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD12	11	0.31
(1,2170)	1:127:B:ARG:HG3	1:119:B:LEU:HD13	11	0.31
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	11	0.31
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	11	0.31
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	11	0.31
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG2	1	0.31
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG2	1	0.31
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG2	1	0.31
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG2	9	0.31
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG2	9	0.31
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG2	9	0.31
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG2	15	0.31
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG2	15	0.31
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG2	15	0.31
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG11	4	0.31
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG12	4	0.31
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG13	4	0.31
(1,1805)	1:74:B:VAL:HG11	1:117:B:LYS:HD3	1	0.31
(1,1805)	1:74:B:VAL:HG12	1:117:B:LYS:HD3	1	0.31
(1,1805)	1:74:B:VAL:HG13	1:117:B:LYS:HD3	1	0.31
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	5	0.31
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	19	0.31
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	7	0.31
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE2	6	0.31
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	15	0.31
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	15	0.31
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	15	0.31
(1,1531)	1:97:B:VAL:HG11	1:88:B:PHE:HE1	13	0.31
(1,1531)	1:97:B:VAL:HG11	1:88:B:PHE:HE2	13	0.31
(1,1531)	1:97:B:VAL:HG12	1:88:B:PHE:HE1	13	0.31
(1,1531)	1:97:B:VAL:HG12	1:88:B:PHE:HE2	13	0.31
(1,1531)	1:97:B:VAL:HG13	1:88:B:PHE:HE1	13	0.31
(1,1531)	1:97:B:VAL:HG13	1:88:B:PHE:HE2	13	0.31
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	16	0.31
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	16	0.31
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	16	0.31
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	16	0.31
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	16	0.31
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	16	0.31
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	16	0.31
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	16	0.31
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	11	0.31
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	5	0.31
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	5	0.31
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	5	0.31
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	3	0.31
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	3	0.31
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	3	0.31
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	16	0.31
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	16	0.31
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	16	0.31
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD11	14	0.31
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD12	14	0.31
(1,1335)	1:84:B:LEU:HG	1:118:B:LEU:HD13	14	0.31
(1,1286)	1:114:B:ILE:HD11	1:109:B:ARG:HD2	11	0.31
(1,1286)	1:114:B:ILE:HD12	1:109:B:ARG:HD2	11	0.31
(1,1286)	1:114:B:ILE:HD13	1:109:B:ARG:HD2	11	0.31
(1,1263)	1:114:B:ILE:HG21	1:84:B:LEU:HD21	7	0.31
(1,1263)	1:114:B:ILE:HG21	1:84:B:LEU:HD22	7	0.31
(1,1263)	1:114:B:ILE:HG21	1:84:B:LEU:HD23	7	0.31
(1,1263)	1:114:B:ILE:HG22	1:84:B:LEU:HD21	7	0.31
(1,1263)	1:114:B:ILE:HG22	1:84:B:LEU:HD22	7	0.31
(1,1263)	1:114:B:ILE:HG22	1:84:B:LEU:HD23	7	0.31
(1,1263)	1:114:B:ILE:HG23	1:84:B:LEU:HD21	7	0.31
(1,1263)	1:114:B:ILE:HG23	1:84:B:LEU:HD22	7	0.31
(1,1263)	1:114:B:ILE:HG23	1:84:B:LEU:HD23	7	0.31
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	6	0.31
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	6	0.31
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	6	0.31
(1,1178)	1:119:B:LEU:HG	1:126:B:GLU:H	20	0.31
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	3	0.31
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	3	0.31
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	3	0.31
(1,837)	1:45:B:ARG:HE	1:53:B:HIS:HD2	15	0.31
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	5	0.31
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	4	0.31
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	19	0.31
(1,15)	1:6:B:ALA:H	1:5:B:ARG:HG2	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1891)	1:53:B:HIS:HD2	1:57:B:MET:HE2	11	0.3
(3,1655)	1:33:B:VAL:HA	1:33:B:VAL:HG23	9	0.3
(3,1577)	1:40:B:LEU:HD12	1:42:B:THR:HB	4	0.3
(3,1573)	1:40:B:LEU:HD13	1:40:B:LEU:HB3	2	0.3
(3,1573)	1:40:B:LEU:HD13	1:40:B:LEU:HB3	15	0.3
(3,1573)	1:40:B:LEU:HD12	1:40:B:LEU:HB3	18	0.3
(3,1565)	1:40:B:LEU:HB2	1:41:B:ASN:HB3	2	0.3
(3,1531)	1:77:B:THR:HG22	1:80:B:GLN:HB3	18	0.3
(3,1525)	1:46:B:THR:HA	1:37:B:LEU:HD22	14	0.3
(3,1515)	1:127:B:ARG:HA	1:127:B:ARG:HG2	9	0.3
(3,1515)	1:127:B:ARG:HA	1:127:B:ARG:HG2	13	0.3
(3,1515)	1:127:B:ARG:HA	1:127:B:ARG:HG2	14	0.3
(3,1511)	1:127:B:ARG:HG2	1:127:B:ARG:HA	9	0.3
(3,1511)	1:127:B:ARG:HG2	1:127:B:ARG:HA	13	0.3
(3,1511)	1:127:B:ARG:HG2	1:127:B:ARG:HA	14	0.3
(3,1505)	1:48:B:LYS:HG2	1:51:B:ILE:HD12	1	0.3
(3,1471)	1:50:B:ILE:HD13	1:42:B:THR:HG22	5	0.3
(3,1418)	1:52:B:HIS:HD2	1:67:B:GLN:HB2	10	0.3
(3,1417)	1:9:B:TRP:HE3	1:17:B:LEU:HB3	13	0.3
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD21	8	0.3
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD21	11	0.3
(3,1384)	1:54:B:LEU:HD22	1:60:B:ALA:HB3	1	0.3
(3,1379)	1:54:B:LEU:HD11	1:52:B:HIS:HA	3	0.3
(3,1360)	1:55:B:VAL:HG12	1:63:B:VAL:HB	1	0.3
(3,1360)	1:55:B:VAL:HG11	1:63:B:VAL:HB	13	0.3
(3,1322)	1:37:B:LEU:HD22	1:48:B:LYS:H	13	0.3
(3,1253)	1:67:B:GLN:HB2	1:52:B:HIS:HD2	10	0.3
(3,1218)	1:72:B:HIS:HD2	1:113:B:ARG:HA	10	0.3
(3,1217)	1:72:B:HIS:HD2	1:74:B:VAL:H	18	0.3
(3,1005)	1:83:B:GLU:HG2	1:86:B:ARG:H	5	0.3
(3,962)	1:48:B:LYS:HG3	1:51:B:ILE:HD13	10	0.3
(3,960)	1:92:B:ARG:HD2	1:118:B:LEU:HD22	11	0.3
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD12	19	0.3
(3,925)	1:97:B:VAL:HG11	1:124:B:VAL:HG11	11	0.3
(3,893)	1:98:B:LEU:HD22	1:118:B:LEU:HD13	18	0.3
(3,754)	1:44:B:PRO:HG3	1:43:B:VAL:HG22	1	0.3
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD23	3	0.3
(3,748)	1:114:B:ILE:HD13	1:109:B:ARG:HB3	20	0.3
(3,713)	1:22:B:LEU:HD23	1:22:B:LEU:H	1	0.3
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD23	17	0.3
(3,631)	1:119:B:LEU:HD12	1:128:B:ARG:H	2	0.3
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD11	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD11	8	0.3
(3,551)	1:124:B:VAL:HG11	1:124:B:VAL:HG21	7	0.3
(3,551)	1:124:B:VAL:HG11	1:124:B:VAL:HG23	11	0.3
(3,551)	1:124:B:VAL:HG11	1:124:B:VAL:HG23	15	0.3
(3,491)	1:130:B:LEU:HD11	1:116:B:ASP:H	1	0.3
(3,476)	1:132:B:LYS:HA	1:132:B:LYS:HG2	18	0.3
(3,438)	1:68:B:ARG:HA	1:68:B:ARG:HB2	19	0.3
(3,428)	1:137:B:LYS:HA	1:137:B:LYS:HD3	14	0.3
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB2	15	0.3
(3,427)	1:136:B:LYS:HA	1:136:B:LYS:HB3	17	0.3
(3,367)	1:98:B:LEU:HD13	1:98:B:LEU:HA	4	0.3
(3,361)	1:82:B:LEU:HD12	1:85:B:GLN:H	4	0.3
(3,325)	1:141:B:SER:H	1:124:B:VAL:HB	11	0.3
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD12	6	0.3
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD21	3	0.3
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG12	2	0.3
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	3	0.3
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	6	0.3
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD21	15	0.3
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD22	17	0.3
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	8	0.3
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	8	0.3
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	8	0.3
(1,2754)	1:109:B:ARG:HD2	1:114:B:ILE:H	9	0.3
(1,2751)	1:108:B:LYS:HG2	1:108:B:LYS:H	17	0.3
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	2	0.3
(1,2592)	1:15:B:ALA:HB2	1:57:B:MET:HE2	3	0.3
(1,2592)	1:15:B:ALA:HB2	1:57:B:MET:HE3	12	0.3
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	6	0.3
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	6	0.3
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	6	0.3
(1,2383)	1:36:B:ILE:HA	1:20:B:LEU:HG	15	0.3
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	3	0.3
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	7	0.3
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	13	0.3
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	19	0.3
(1,2367)	1:38:B:ALA:HB1	1:47:B:ARG:HD2	17	0.3
(1,2367)	1:38:B:ALA:HB2	1:47:B:ARG:HD2	17	0.3
(1,2367)	1:38:B:ALA:HB3	1:47:B:ARG:HD2	17	0.3
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	4	0.3
(1,2294)	1:43:B:VAL:HG11	1:44:B:PRO:HD2	11	0.3
(1,2294)	1:43:B:VAL:HG12	1:44:B:PRO:HD2	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2294)	1:43:B:VAL:HG13	1:44:B:PRO:HD2	11	0.3
(1,2293)	1:43:B:VAL:HB	1:44:B:PRO:HD2	3	0.3
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	2	0.3
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	2	0.3
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	2	0.3
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	20	0.3
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	20	0.3
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	20	0.3
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	2	0.3
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	2	0.3
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	2	0.3
(1,1970)	1:42:B:THR:HG21	1:45:B:ARG:HD2	3	0.3
(1,1970)	1:42:B:THR:HG22	1:45:B:ARG:HD2	3	0.3
(1,1970)	1:42:B:THR:HG23	1:45:B:ARG:HD2	3	0.3
(1,1915)	1:64:B:LYS:HE2	1:64:B:LYS:HA	12	0.3
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	3	0.3
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	3	0.3
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	3	0.3
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	1	0.3
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	1	0.3
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	1	0.3
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	7	0.3
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	7	0.3
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	7	0.3
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	4	0.3
(1,1592)	1:92:B:ARG:HD3	1:88:B:PHE:HE1	16	0.3
(1,1592)	1:92:B:ARG:HD3	1:88:B:PHE:HE2	16	0.3
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	16	0.3
(1,1558)	1:92:B:ARG:HD2	1:89:B:GLU:HB2	20	0.3
(1,1511)	1:37:B:LEU:HB3	1:36:B:ILE:H	14	0.3
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB3	19	0.3
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB3	19	0.3
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB3	19	0.3
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	1	0.3
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	1	0.3
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	1	0.3
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	6	0.3
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	9	0.3
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	9	0.3
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	9	0.3
(1,1239)	1:63:B:VAL:HB	1:66:B:PHE:HD1	2	0.3
(1,1239)	1:63:B:VAL:HB	1:66:B:PHE:HD2	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	16	0.3
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	16	0.3
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	16	0.3
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG21	1	0.3
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG22	1	0.3
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG23	1	0.3
(1,1178)	1:119:B:LEU:HG	1:126:B:GLU:H	8	0.3
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	12	0.3
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	12	0.3
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	12	0.3
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	12	0.3
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	12	0.3
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	12	0.3
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	12	0.3
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	12	0.3
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	12	0.3
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	7	0.3
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	7	0.3
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	7	0.3
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	13	0.3
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	13	0.3
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	13	0.3
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	8	0.3
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	8	0.3
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	8	0.3
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	9	0.3
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	9	0.3
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	9	0.3
(1,891)	1:40:B:LEU:HD11	1:17:B:LEU:HA	16	0.3
(1,891)	1:40:B:LEU:HD12	1:17:B:LEU:HA	16	0.3
(1,891)	1:40:B:LEU:HD13	1:17:B:LEU:HA	16	0.3
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	19	0.3
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	9	0.3
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	16	0.3
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	9	0.3
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	10	0.3
(1,252)	1:40:B:LEU:H	1:40:B:LEU:HB3	6	0.3
(1,252)	1:40:B:LEU:H	1:40:B:LEU:HB3	10	0.3
(1,252)	1:40:B:LEU:H	1:40:B:LEU:HB3	14	0.3
(1,248)	1:40:B:LEU:H	1:37:B:LEU:HA	11	0.3
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	2	0.3
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	2	0.3
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	19	0.3
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	15	0.3
(1,46)	1:12:B:GLU:H	1:12:B:GLU:HB2	4	0.3
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	18	0.3
(3,1907)	1:76:B:TRP:HE3	1:74:B:VAL:HG12	2	0.29
(3,1873)	1:118:B:LEU:HD12	1:119:B:LEU:HA	9	0.29
(3,1863)	1:6:B:ALA:HB3	1:7:B:PRO:HG2	10	0.29
(3,1659)	1:33:B:VAL:HB	1:33:B:VAL:H	10	0.29
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	11	0.29
(3,1600)	1:37:B:LEU:HA	1:36:B:ILE:HG22	11	0.29
(3,1595)	1:38:B:ALA:HB1	1:37:B:LEU:HB3	15	0.29
(3,1580)	1:40:B:LEU:HD13	1:16:B:HIS:HD2	7	0.29
(3,1528)	1:46:B:THR:HB	1:45:B:ARG:HG2	4	0.29
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD13	8	0.29
(3,1515)	1:127:B:ARG:HA	1:127:B:ARG:HG2	3	0.29
(3,1511)	1:127:B:ARG:HG2	1:127:B:ARG:HA	3	0.29
(3,1474)	1:50:B:ILE:HD11	1:43:B:VAL:H	8	0.29
(3,1471)	1:50:B:ILE:HD11	1:42:B:THR:HG21	11	0.29
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD23	7	0.29
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD12	11	0.29
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HD12	15	0.29
(3,1197)	1:73:B:ILE:HG21	1:73:B:ILE:HA	11	0.29
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG21	11	0.29
(3,1184)	1:74:B:VAL:HG21	1:107:B:ALA:HB3	18	0.29
(3,1182)	1:74:B:VAL:HG23	1:109:B:ARG:HB2	19	0.29
(3,1175)	1:74:B:VAL:HG11	1:109:B:ARG:HB3	8	0.29
(3,1163)	1:40:B:LEU:HD21	1:45:B:ARG:HD3	7	0.29
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	14	0.29
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	6	0.29
(3,1005)	1:83:B:GLU:HG2	1:86:B:ARG:H	17	0.29
(3,915)	1:98:B:LEU:HD22	1:115:B:VAL:H	14	0.29
(3,841)	1:102:B:MET:HE2	1:109:B:ARG:HB3	7	0.29
(3,841)	1:102:B:MET:HE3	1:98:B:LEU:HB2	18	0.29
(3,837)	1:102:B:MET:HE2	1:111:B:ARG:HA	5	0.29
(3,832)	1:31:B:ASP:HB3	1:30:B:GLN:HG2	8	0.29
(3,722)	1:27:B:VAL:HG13	1:30:B:GLN:HE21	13	0.29
(3,713)	1:22:B:LEU:HD23	1:22:B:LEU:H	10	0.29
(3,713)	1:22:B:LEU:HD22	1:22:B:LEU:H	16	0.29
(3,713)	1:22:B:LEU:HD22	1:22:B:LEU:H	17	0.29
(3,713)	1:22:B:LEU:HD23	1:22:B:LEU:H	19	0.29
(3,664)	1:116:B:ASP:HB2	1:119:B:LEU:HD23	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,627)	1:119:B:LEU:HD22	1:125:B:ALA:HA	15	0.29
(3,624)	1:119:B:LEU:HD23	1:127:B:ARG:HD3	5	0.29
(3,551)	1:124:B:VAL:HG13	1:124:B:VAL:HG23	3	0.29
(3,551)	1:124:B:VAL:HG11	1:124:B:VAL:HG23	10	0.29
(3,544)	1:124:B:VAL:HG21	1:124:B:VAL:HA	9	0.29
(3,491)	1:130:B:LEU:HD13	1:116:B:ASP:H	8	0.29
(3,491)	1:130:B:LEU:HD12	1:116:B:ASP:H	16	0.29
(3,485)	1:131:B:TYR:HE1	1:130:B:LEU:HB2	15	0.29
(3,481)	1:41:B:ASN:HB2	1:40:B:LEU:HD13	18	0.29
(3,439)	1:135:B:GLN:HB3	1:136:B:LYS:HG2	11	0.29
(3,381)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	18	0.29
(3,377)	1:98:B:LEU:HD12	1:111:B:ARG:HD3	16	0.29
(3,367)	1:98:B:LEU:HD12	1:98:B:LEU:HA	7	0.29
(3,356)	1:130:B:LEU:HD22	1:88:B:PHE:HE1	5	0.29
(3,354)	1:82:B:LEU:HD23	1:83:B:GLU:H	1	0.29
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD22	14	0.29
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD21	20	0.29
(3,183)	1:84:B:LEU:H	1:82:B:LEU:HD13	16	0.29
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG23	17	0.29
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD21	14	0.29
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	6	0.29
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	6	0.29
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	6	0.29
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	14	0.29
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	14	0.29
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	14	0.29
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	11	0.29
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	11	0.29
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	11	0.29
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	11	0.29
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	11	0.29
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	11	0.29
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	9	0.29
(1,2397)	1:35:B:ALA:HB1	1:39:B:HIS:HB3	10	0.29
(1,2397)	1:35:B:ALA:HB2	1:39:B:HIS:HB3	10	0.29
(1,2397)	1:35:B:ALA:HB3	1:39:B:HIS:HB3	10	0.29
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	11	0.29
(1,2222)	1:77:B:THR:HG21	1:80:B:GLN:HE22	15	0.29
(1,2222)	1:77:B:THR:HG22	1:80:B:GLN:HE22	15	0.29
(1,2222)	1:77:B:THR:HG23	1:80:B:GLN:HE22	15	0.29
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	14	0.29
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	14	0.29
(1,2097)	1:52:B:HIS:HA	1:55:B:VAL:HG11	3	0.29
(1,2097)	1:52:B:HIS:HA	1:55:B:VAL:HG12	3	0.29
(1,2097)	1:52:B:HIS:HA	1:55:B:VAL:HG13	3	0.29
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	8	0.29
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	8	0.29
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	8	0.29
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	1	0.29
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	1	0.29
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	1	0.29
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	5	0.29
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	5	0.29
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	5	0.29
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	5	0.29
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	5	0.29
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	5	0.29
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	5	0.29
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	5	0.29
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	5	0.29
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	14	0.29
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	14	0.29
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	14	0.29
(1,1935)	1:63:B:VAL:HG21	1:63:B:VAL:HA	16	0.29
(1,1935)	1:63:B:VAL:HG22	1:63:B:VAL:HA	16	0.29
(1,1935)	1:63:B:VAL:HG23	1:63:B:VAL:HA	16	0.29
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	10	0.29
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	13	0.29
(1,1901)	1:65:B:ASP:HA	1:61:B:ASP:HB2	5	0.29
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	13	0.29
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	13	0.29
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	13	0.29
(1,1695)	1:127:B:ARG:HD2	1:116:B:ASP:H	14	0.29
(1,1632)	1:45:B:ARG:HB2	1:48:B:LYS:HE2	6	0.29
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE2	11	0.29
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	16	0.29
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	16	0.29
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	16	0.29
(1,1425)	1:103:B:LYS:HE2	1:103:B:LYS:H	7	0.29
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD3	12	0.29
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG21	12	0.29
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG11	14	0.29
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG12	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:7:B:PRO:HB2	1:43:B:VAL:HG13	14	0.29
(1,1271)	1:114:B:ILE:HG12	1:76:B:TRP:HH2	15	0.29
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG21	12	0.29
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG22	12	0.29
(1,1255)	1:47:B:ARG:HB3	1:51:B:ILE:HG23	12	0.29
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	6	0.29
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	6	0.29
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	6	0.29
(1,1178)	1:119:B:LEU:HG	1:126:B:GLU:H	7	0.29
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	17	0.29
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	17	0.29
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	17	0.29
(1,1060)	1:124:B:VAL:HB	1:119:B:LEU:HD11	10	0.29
(1,1060)	1:124:B:VAL:HB	1:119:B:LEU:HD12	10	0.29
(1,1060)	1:124:B:VAL:HB	1:119:B:LEU:HD13	10	0.29
(1,1003)	1:127:B:ARG:HD2	1:131:B:TYR:HE1	16	0.29
(1,1003)	1:127:B:ARG:HD2	1:131:B:TYR:HE2	16	0.29
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	3	0.29
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	3	0.29
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	3	0.29
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	4	0.29
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	4	0.29
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	4	0.29
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	13	0.29
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	13	0.29
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	13	0.29
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	18	0.29
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	18	0.29
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	19	0.29
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	19	0.29
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	19	0.29
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	18	0.29
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	4	0.29
(1,429)	1:67:B:GLN:H	1:64:B:LYS:HA	1	0.29
(1,409)	1:64:B:LYS:H	1:65:B:ASP:HB3	4	0.29
(1,409)	1:64:B:LYS:H	1:65:B:ASP:HB3	12	0.29
(1,408)	1:64:B:LYS:H	1:62:B:SER:HB3	9	0.29
(1,313)	1:50:B:ILE:H	1:50:B:ILE:HD11	12	0.29
(1,313)	1:50:B:ILE:H	1:50:B:ILE:HD12	12	0.29
(1,313)	1:50:B:ILE:H	1:50:B:ILE:HD13	12	0.29
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG11	13	0.29
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG12	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG13	13	0.29
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	6	0.29
(3,1873)	1:118:B:LEU:HD12	1:119:B:LEU:HA	18	0.28
(3,1873)	1:118:B:LEU:HD13	1:119:B:LEU:HA	20	0.28
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	10	0.28
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG23	6	0.28
(3,1756)	1:18:B:ARG:HD3	1:18:B:ARG:HB3	1	0.28
(3,1756)	1:18:B:ARG:HD3	1:18:B:ARG:HB3	7	0.28
(3,1635)	1:35:B:ALA:HB1	1:34:B:GLU:H	7	0.28
(3,1635)	1:35:B:ALA:HB2	1:34:B:GLU:H	17	0.28
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	3	0.28
(3,1577)	1:40:B:LEU:HD12	1:42:B:THR:HB	9	0.28
(3,1566)	1:40:B:LEU:HB3	1:45:B:ARG:HD3	20	0.28
(3,1468)	1:50:B:ILE:HD12	1:49:B:GLN:HB2	2	0.28
(3,1439)	1:51:B:ILE:HD12	1:52:B:HIS:HB2	9	0.28
(3,1423)	1:52:B:HIS:HE1	1:56:B:GLN:HG2	1	0.28
(3,1376)	1:54:B:LEU:HD13	1:60:B:ALA:HB1	10	0.28
(3,1374)	1:54:B:LEU:HD11	1:53:B:HIS:HB2	4	0.28
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD21	11	0.28
(3,1348)	1:30:B:GLN:HG3	1:31:B:ASP:HB3	6	0.28
(3,1342)	1:57:B:MET:HE3	1:19:B:GLU:H	6	0.28
(3,1338)	1:57:B:MET:HE1	1:57:B:MET:HB3	4	0.28
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD12	4	0.28
(3,1311)	1:59:B:LEU:HD11	1:59:B:LEU:HD23	11	0.28
(3,1311)	1:37:B:LEU:HD21	1:33:B:VAL:HG23	16	0.28
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	4	0.28
(3,1232)	1:8:B:THR:HB	1:7:B:PRO:HB2	7	0.28
(3,1228)	1:71:B:THR:HB	1:73:B:ILE:HG13	2	0.28
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	15	0.28
(3,1185)	1:73:B:ILE:HD11	1:109:B:ARG:HD3	17	0.28
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	15	0.28
(3,1089)	1:53:B:HIS:HA	1:57:B:MET:HE2	7	0.28
(3,1075)	1:17:B:LEU:HD12	1:19:B:GLU:H	12	0.28
(3,938)	1:97:B:VAL:HG23	1:88:B:PHE:HD2	8	0.28
(3,933)	1:97:B:VAL:HG12	1:88:B:PHE:HB3	4	0.28
(3,933)	1:97:B:VAL:HG12	1:88:B:PHE:HB3	17	0.28
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	10	0.28
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	11	0.28
(3,894)	1:37:B:LEU:HD11	1:31:B:ASP:HB3	10	0.28
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB2	8	0.28
(3,842)	1:102:B:MET:HE1	1:114:B:ILE:HD12	11	0.28
(3,809)	1:107:B:ALA:HB2	1:80:B:GLN:HB3	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG13	2	0.28
(3,785)	1:109:B:ARG:HG2	1:113:B:ARG:HB2	14	0.28
(3,713)	1:22:B:LEU:HD21	1:22:B:LEU:H	11	0.28
(3,709)	1:115:B:VAL:HG13	1:119:B:LEU:H	16	0.28
(3,691)	1:33:B:VAL:HG23	1:51:B:ILE:HA	9	0.28
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD23	5	0.28
(3,620)	1:119:B:LEU:HD11	1:124:B:VAL:HB	8	0.28
(3,593)	1:84:B:LEU:HD23	1:114:B:ILE:HG21	19	0.28
(3,591)	1:20:B:LEU:HD23	1:23:B:ALA:H	8	0.28
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD13	11	0.28
(3,551)	1:124:B:VAL:HG12	1:124:B:VAL:HG21	16	0.28
(3,384)	1:40:B:LEU:HD22	1:13:B:GLU:HG3	13	0.28
(3,356)	1:130:B:LEU:HD22	1:88:B:PHE:HE1	13	0.28
(3,323)	1:139:B:ALA:H	1:137:B:LYS:HA	12	0.28
(3,257)	1:116:B:ASP:H	1:118:B:LEU:HB3	11	0.28
(3,232)	1:104:B:ASN:H	1:105:B:ILE:HG12	15	0.28
(3,175)	1:82:B:LEU:H	1:81:B:GLU:HB2	15	0.28
(3,170)	1:49:B:GLN:HE21	1:46:B:THR:H	4	0.28
(3,148)	1:67:B:GLN:H	1:51:B:ILE:HB	16	0.28
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG21	1	0.28
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG23	3	0.28
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG22	7	0.28
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG22	11	0.28
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG21	16	0.28
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD22	2	0.28
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG3	4	0.28
(1,2706)	1:118:B:LEU:HD21	1:115:B:VAL:HA	6	0.28
(1,2706)	1:118:B:LEU:HD22	1:115:B:VAL:HA	6	0.28
(1,2706)	1:118:B:LEU:HD23	1:115:B:VAL:HA	6	0.28
(1,2683)	1:6:B:ALA:HB1	1:7:B:PRO:HD2	1	0.28
(1,2683)	1:6:B:ALA:HB2	1:7:B:PRO:HD2	1	0.28
(1,2683)	1:6:B:ALA:HB3	1:7:B:PRO:HD2	1	0.28
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE3	4	0.28
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	6	0.28
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	6	0.28
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	6	0.28
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	5	0.28
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	14	0.28
(1,2279)	1:43:B:VAL:HG21	1:45:B:ARG:HG2	15	0.28
(1,2279)	1:43:B:VAL:HG22	1:45:B:ARG:HG2	15	0.28
(1,2279)	1:43:B:VAL:HG23	1:45:B:ARG:HG2	15	0.28
(1,2275)	1:43:B:VAL:HG21	1:13:B:GLU:HG2	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2275)	1:43:B:VAL:HG22	1:13:B:GLU:HG2	3	0.28
(1,2275)	1:43:B:VAL:HG23	1:13:B:GLU:HG2	3	0.28
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	9	0.28
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	9	0.28
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	9	0.28
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	20	0.28
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	20	0.28
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	20	0.28
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	20	0.28
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	20	0.28
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	20	0.28
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	20	0.28
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	20	0.28
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	20	0.28
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	12	0.28
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	12	0.28
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	12	0.28
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	15	0.28
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	15	0.28
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	15	0.28
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	13	0.28
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	13	0.28
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	13	0.28
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	14	0.28
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	13	0.28
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	7	0.28
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	13	0.28
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	13	0.28
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	13	0.28
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	13	0.28
(1,1511)	1:37:B:LEU:HB3	1:36:B:ILE:H	13	0.28
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	11	0.28
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	11	0.28
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	11	0.28
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	15	0.28
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	15	0.28
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	15	0.28
(1,1431)	1:103:B:LYS:HE3	1:103:B:LYS:HB2	19	0.28
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	8	0.28
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	8	0.28
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	8	0.28
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE1	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE2	6	0.28
(1,1372)	1:107:B:ALA:HB1	1:102:B:MET:HE3	6	0.28
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE1	6	0.28
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE2	6	0.28
(1,1372)	1:107:B:ALA:HB2	1:102:B:MET:HE3	6	0.28
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE1	6	0.28
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE2	6	0.28
(1,1372)	1:107:B:ALA:HB3	1:102:B:MET:HE3	6	0.28
(1,1368)	1:107:B:ALA:HB1	1:108:B:LYS:HE3	2	0.28
(1,1368)	1:107:B:ALA:HB2	1:108:B:LYS:HE3	2	0.28
(1,1368)	1:107:B:ALA:HB3	1:108:B:LYS:HE3	2	0.28
(1,1289)	1:114:B:ILE:HD11	1:102:B:MET:HE1	16	0.28
(1,1289)	1:114:B:ILE:HD11	1:102:B:MET:HE2	16	0.28
(1,1289)	1:114:B:ILE:HD11	1:102:B:MET:HE3	16	0.28
(1,1289)	1:114:B:ILE:HD12	1:102:B:MET:HE1	16	0.28
(1,1289)	1:114:B:ILE:HD12	1:102:B:MET:HE2	16	0.28
(1,1289)	1:114:B:ILE:HD12	1:102:B:MET:HE3	16	0.28
(1,1289)	1:114:B:ILE:HD13	1:102:B:MET:HE1	16	0.28
(1,1289)	1:114:B:ILE:HD13	1:102:B:MET:HE2	16	0.28
(1,1289)	1:114:B:ILE:HD13	1:102:B:MET:HE3	16	0.28
(1,1287)	1:114:B:ILE:HD11	1:109:B:ARG:HD3	20	0.28
(1,1287)	1:114:B:ILE:HD12	1:109:B:ARG:HD3	20	0.28
(1,1287)	1:114:B:ILE:HD13	1:109:B:ARG:HD3	20	0.28
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	17	0.28
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	17	0.28
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	17	0.28
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG21	16	0.28
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG22	16	0.28
(1,1211)	1:7:B:PRO:HB3	1:8:B:THR:HG23	16	0.28
(1,1170)	1:59:B:LEU:HD11	1:21:B:TYR:HB3	10	0.28
(1,1170)	1:59:B:LEU:HD12	1:21:B:TYR:HB3	10	0.28
(1,1170)	1:59:B:LEU:HD13	1:21:B:TYR:HB3	10	0.28
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	12	0.28
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	12	0.28
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	12	0.28
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	12	0.28
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	12	0.28
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	12	0.28
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	12	0.28
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	12	0.28
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	12	0.28
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	4	0.28
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	4	0.28
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	10	0.28
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	10	0.28
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	10	0.28
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	14	0.28
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	14	0.28
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	14	0.28
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	16	0.28
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	16	0.28
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	16	0.28
(1,959)	1:131:B:TYR:HD1	1:127:B:ARG:HB3	20	0.28
(1,959)	1:131:B:TYR:HD2	1:127:B:ARG:HB3	20	0.28
(1,954)	1:131:B:TYR:HE1	1:127:B:ARG:HG2	20	0.28
(1,954)	1:131:B:TYR:HE2	1:127:B:ARG:HG2	20	0.28
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	17	0.28
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	17	0.28
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG2	10	0.28
(1,885)	1:40:B:LEU:HD21	1:9:B:TRP:HZ3	1	0.28
(1,885)	1:40:B:LEU:HD22	1:9:B:TRP:HZ3	1	0.28
(1,885)	1:40:B:LEU:HD23	1:9:B:TRP:HZ3	1	0.28
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	13	0.28
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	14	0.28
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	11	0.28
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	19	0.28
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	14	0.28
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	4	0.28
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	20	0.28
(3,1911)	1:109:B:ARG:HD2	1:110:B:SER:H	11	0.27
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG23	7	0.27
(3,1896)	1:76:B:TRP:HH2	1:84:B:LEU:HD11	6	0.27
(3,1873)	1:118:B:LEU:HD12	1:119:B:LEU:HA	19	0.27
(3,1776)	1:17:B:LEU:HD23	1:19:B:GLU:H	3	0.27
(3,1683)	1:135:B:GLN:HB2	1:136:B:LYS:HG2	8	0.27
(3,1655)	1:33:B:VAL:HA	1:33:B:VAL:HG22	16	0.27
(3,1635)	1:35:B:ALA:HB2	1:34:B:GLU:H	20	0.27
(3,1623)	1:36:B:ILE:HG22	1:17:B:LEU:HG	12	0.27
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	1	0.27
(3,1577)	1:40:B:LEU:HD12	1:42:B:THR:HB	5	0.27
(3,1528)	1:46:B:THR:HB	1:48:B:LYS:HG3	7	0.27
(3,1484)	1:50:B:ILE:HG21	1:55:B:VAL:H	11	0.27
(3,1439)	1:51:B:ILE:HD12	1:52:B:HIS:HB2	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1417)	1:52:B:HIS:HD2	1:63:B:VAL:HB	4	0.27
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD23	17	0.27
(3,1388)	1:54:B:LEU:HD22	1:53:B:HIS:H	4	0.27
(3,1388)	1:54:B:LEU:HD23	1:56:B:GLN:H	10	0.27
(3,1384)	1:54:B:LEU:HD21	1:60:B:ALA:HB1	19	0.27
(3,1376)	1:54:B:LEU:HD13	1:32:B:VAL:HG13	17	0.27
(3,1340)	1:57:B:MET:HE1	1:60:B:ALA:H	6	0.27
(3,1274)	1:63:B:VAL:HG21	1:51:B:ILE:HA	10	0.27
(3,1262)	1:65:B:ASP:HB3	1:63:B:VAL:HA	7	0.27
(3,1246)	1:67:B:GLN:HA	1:51:B:ILE:HD11	6	0.27
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	16	0.27
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG11	13	0.27
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG12	14	0.27
(3,1181)	1:74:B:VAL:HB	1:75:B:LEU:HB2	20	0.27
(3,1178)	1:27:B:VAL:HG22	1:30:B:GLN:HE21	11	0.27
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG23	16	0.27
(3,1114)	1:82:B:LEU:HD13	1:79:B:ASP:HB3	14	0.27
(3,1113)	1:82:B:LEU:HD12	1:83:B:GLU:HB3	9	0.27
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	20	0.27
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	13	0.27
(3,1038)	1:20:B:LEU:HD12	1:19:B:GLU:H	13	0.27
(3,1004)	1:89:B:GLU:HG2	1:85:B:GLN:HE21	5	0.27
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG11	6	0.27
(3,934)	1:97:B:VAL:HG23	1:118:B:LEU:HD13	8	0.27
(3,929)	1:97:B:VAL:HG11	1:96:B:ASP:HB2	4	0.27
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	1	0.27
(3,910)	1:98:B:LEU:HD12	1:96:B:ASP:HB3	11	0.27
(3,846)	1:19:B:GLU:HA	1:22:B:LEU:HB3	16	0.27
(3,842)	1:102:B:MET:HE3	1:114:B:ILE:HD12	3	0.27
(3,838)	1:102:B:MET:HE2	1:99:B:GLY:HA3	5	0.27
(3,838)	1:102:B:MET:HE2	1:99:B:GLY:HA3	10	0.27
(3,837)	1:102:B:MET:HE3	1:111:B:ARG:HA	2	0.27
(3,722)	1:27:B:VAL:HG13	1:30:B:GLN:HE21	7	0.27
(3,715)	1:33:B:VAL:HG21	1:34:B:GLU:H	5	0.27
(3,713)	1:22:B:LEU:HD21	1:22:B:LEU:H	15	0.27
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	6	0.27
(3,659)	1:95:B:ASP:HB2	1:132:B:LYS:HD2	3	0.27
(3,618)	1:119:B:LEU:HD12	1:119:B:LEU:HD22	5	0.27
(3,618)	1:119:B:LEU:HD11	1:119:B:LEU:HD22	10	0.27
(3,593)	1:84:B:LEU:HD22	1:114:B:ILE:HG23	12	0.27
(3,572)	1:55:B:VAL:HG21	1:57:B:MET:H	6	0.27
(3,551)	1:124:B:VAL:HG13	1:124:B:VAL:HG22	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,551)	1:124:B:VAL:HG12	1:124:B:VAL:HG23	13	0.27
(3,480)	1:131:B:TYR:HB3	1:130:B:LEU:HB3	17	0.27
(3,438)	1:68:B:ARG:HA	1:68:B:ARG:HB2	16	0.27
(3,362)	1:40:B:LEU:HD22	1:39:B:HIS:H	8	0.27
(3,361)	1:82:B:LEU:HD12	1:85:B:GLN:H	20	0.27
(3,356)	1:130:B:LEU:HD22	1:88:B:PHE:HE2	14	0.27
(3,354)	1:82:B:LEU:HD23	1:83:B:GLU:H	2	0.27
(3,307)	1:130:B:LEU:H	1:127:B:ARG:HB3	3	0.27
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD11	3	0.27
(3,289)	1:123:B:LEU:H	1:121:B:LEU:HD11	7	0.27
(3,170)	1:49:B:GLN:HE21	1:49:B:GLN:H	6	0.27
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG22	10	0.27
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG23	16	0.27
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG23	13	0.27
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG21	19	0.27
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	12	0.27
(3,10)	1:9:B:TRP:HE1	1:45:B:ARG:HD3	8	0.27
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG3	17	0.27
(2,52)	1:35:B:ALA:HB1	1:33:B:VAL:HB	18	0.27
(2,52)	1:35:B:ALA:HB2	1:33:B:VAL:HB	18	0.27
(2,52)	1:35:B:ALA:HB3	1:33:B:VAL:HB	18	0.27
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	10	0.27
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	10	0.27
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	10	0.27
(1,2751)	1:108:B:LYS:HG2	1:108:B:LYS:H	10	0.27
(1,2750)	1:76:B:TRP:HE3	1:84:B:LEU:HD21	3	0.27
(1,2750)	1:76:B:TRP:HE3	1:84:B:LEU:HD22	3	0.27
(1,2750)	1:76:B:TRP:HE3	1:84:B:LEU:HD23	3	0.27
(1,2638)	1:10:B:SER:HB3	1:11:B:PRO:HG3	4	0.27
(1,2638)	1:10:B:SER:HB3	1:11:B:PRO:HG3	9	0.27
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	10	0.27
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	10	0.27
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	10	0.27
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	2	0.27
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	17	0.27
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	9	0.27
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	7	0.27
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	7	0.27
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	7	0.27
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	8	0.27
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	8	0.27
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	10	0.27
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	10	0.27
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	10	0.27
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	13	0.27
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	13	0.27
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	13	0.27
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	12	0.27
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	12	0.27
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	12	0.27
(1,2136)	1:51:B:ILE:HG21	1:63:B:VAL:HB	6	0.27
(1,2136)	1:51:B:ILE:HG22	1:63:B:VAL:HB	6	0.27
(1,2136)	1:51:B:ILE:HG23	1:63:B:VAL:HB	6	0.27
(1,2032)	1:57:B:MET:HE1	1:18:B:ARG:HA	10	0.27
(1,2032)	1:57:B:MET:HE2	1:18:B:ARG:HA	10	0.27
(1,2032)	1:57:B:MET:HE3	1:18:B:ARG:HA	10	0.27
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	10	0.27
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	10	0.27
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	10	0.27
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG2	7	0.27
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG2	7	0.27
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG2	7	0.27
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	9	0.27
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	9	0.27
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	9	0.27
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	9	0.27
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	9	0.27
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	9	0.27
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	9	0.27
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	9	0.27
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	9	0.27
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	15	0.27
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	4	0.27
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	4	0.27
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	4	0.27
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD21	14	0.27
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD22	14	0.27
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD23	14	0.27
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	19	0.27
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	3	0.27
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	3	0.27
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	5	0.27
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	15	0.27
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	18	0.27
(1,1532)	1:97:B:VAL:HG11	1:88:B:PHE:HD1	13	0.27
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB3	1	0.27
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB3	1	0.27
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB3	1	0.27
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	12	0.27
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	12	0.27
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	12	0.27
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG11	16	0.27
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG12	16	0.27
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG13	16	0.27
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD2	9	0.27
(1,1271)	1:114:B:ILE:HG12	1:76:B:TRP:HH2	13	0.27
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD11	6	0.27
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD12	6	0.27
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD13	6	0.27
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD11	6	0.27
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD12	6	0.27
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD13	6	0.27
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD11	6	0.27
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD12	6	0.27
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD13	6	0.27
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	7	0.27
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	7	0.27
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	7	0.27
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	1	0.27
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	1	0.27
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	1	0.27
(1,1178)	1:119:B:LEU:HG	1:126:B:GLU:H	13	0.27
(1,1165)	1:119:B:LEU:HD11	1:127:B:ARG:HD3	5	0.27
(1,1165)	1:119:B:LEU:HD12	1:127:B:ARG:HD3	5	0.27
(1,1165)	1:119:B:LEU:HD13	1:127:B:ARG:HD3	5	0.27
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	18	0.27
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	18	0.27
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	18	0.27
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	20	0.27
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	20	0.27
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	20	0.27
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	20	0.27
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	20	0.27
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:40:B:LEU:HD21	1:9:B:TRP:HZ3	7	0.27
(1,885)	1:40:B:LEU:HD22	1:9:B:TRP:HZ3	7	0.27
(1,885)	1:40:B:LEU:HD23	1:9:B:TRP:HZ3	7	0.27
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	2	0.27
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	11	0.27
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	13	0.27
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	13	0.27
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	13	0.27
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	14	0.27
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	14	0.27
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	14	0.27
(1,645)	1:103:B:LYS:H	1:103:B:LYS:HG3	13	0.27
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	1	0.27
(1,252)	1:40:B:LEU:H	1:40:B:LEU:HB3	20	0.27
(1,69)	1:16:B:HIS:H	1:19:B:GLU:HA	4	0.27
(3,1851)	1:9:B:TRP:HZ2	1:17:B:LEU:HA	6	0.26
(3,1760)	1:19:B:GLU:HA	1:23:B:ALA:HB1	10	0.26
(3,1635)	1:35:B:ALA:HB3	1:34:B:GLU:H	11	0.26
(3,1571)	1:40:B:LEU:HD11	1:54:B:LEU:HD12	9	0.26
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	7	0.26
(3,1544)	1:44:B:PRO:HD2	1:45:B:ARG:H	11	0.26
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	15	0.26
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	19	0.26
(3,1450)	1:51:B:ILE:HG23	1:52:B:HIS:HD2	3	0.26
(3,1440)	1:51:B:ILE:HD12	1:67:B:GLN:HB3	11	0.26
(3,1435)	1:51:B:ILE:HG23	1:48:B:LYS:HG2	18	0.26
(3,1435)	1:51:B:ILE:HG22	1:48:B:LYS:HG2	20	0.26
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD22	18	0.26
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD22	13	0.26
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD21	20	0.26
(3,1374)	1:54:B:LEU:HD13	1:17:B:LEU:HB3	7	0.26
(3,1338)	1:57:B:MET:HE1	1:57:B:MET:HB3	7	0.26
(3,1298)	1:8:B:THR:HG23	1:7:B:PRO:HB3	5	0.26
(3,1294)	1:31:B:ASP:HB2	1:30:B:GLN:HE21	12	0.26
(3,1286)	1:31:B:ASP:HB2	1:30:B:GLN:HB3	7	0.26
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	5	0.26
(3,1214)	1:73:B:ILE:HG12	1:72:B:HIS:HB3	9	0.26
(3,1197)	1:73:B:ILE:HG22	1:73:B:ILE:HA	8	0.26
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG22	8	0.26
(3,1184)	1:74:B:VAL:HG23	1:107:B:ALA:HB3	19	0.26
(3,1180)	1:74:B:VAL:HG22	1:76:B:TRP:HZ3	10	0.26
(3,1180)	1:74:B:VAL:HG21	1:76:B:TRP:HZ3	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1152)	1:76:B:TRP:HB3	1:78:B:GLY:HA2	4	0.26
(3,1137)	1:76:B:TRP:HB2	1:81:B:GLU:HB3	6	0.26
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	3	0.26
(3,1038)	1:20:B:LEU:HD11	1:19:B:GLU:H	3	0.26
(3,933)	1:97:B:VAL:HG12	1:88:B:PHE:HB3	9	0.26
(3,929)	1:97:B:VAL:HG11	1:96:B:ASP:HB3	20	0.26
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	4	0.26
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	16	0.26
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	20	0.26
(3,910)	1:98:B:LEU:HD13	1:96:B:ASP:HB3	9	0.26
(3,837)	1:102:B:MET:HE1	1:111:B:ARG:HA	11	0.26
(3,767)	1:62:B:SER:HB2	1:64:B:LYS:HB2	10	0.26
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD22	4	0.26
(3,620)	1:119:B:LEU:HD13	1:124:B:VAL:HB	7	0.26
(3,618)	1:119:B:LEU:HD12	1:119:B:LEU:HD22	7	0.26
(3,618)	1:119:B:LEU:HD12	1:119:B:LEU:HD23	14	0.26
(3,602)	1:121:B:LEU:HD11	1:85:B:GLN:HG2	3	0.26
(3,556)	1:124:B:VAL:HG23	1:130:B:LEU:H	4	0.26
(3,551)	1:124:B:VAL:HG12	1:124:B:VAL:HG21	12	0.26
(3,502)	1:83:B:GLU:HB3	1:82:B:LEU:HB3	4	0.26
(3,438)	1:68:B:ARG:HA	1:68:B:ARG:HB2	9	0.26
(3,427)	1:136:B:LYS:HA	1:136:B:LYS:HB3	20	0.26
(3,384)	1:40:B:LEU:HD22	1:13:B:GLU:HG2	3	0.26
(3,356)	1:130:B:LEU:HD21	1:88:B:PHE:HE2	6	0.26
(3,323)	1:139:B:ALA:H	1:137:B:LYS:HA	16	0.26
(3,183)	1:84:B:LEU:H	1:82:B:LEU:HD12	20	0.26
(3,136)	1:64:B:LYS:H	1:63:B:VAL:HG13	6	0.26
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG3	19	0.26
(2,57)	1:6:B:ALA:HB1	1:49:B:GLN:HG2	12	0.26
(2,57)	1:6:B:ALA:HB2	1:49:B:GLN:HG2	12	0.26
(2,57)	1:6:B:ALA:HB3	1:49:B:GLN:HG2	12	0.26
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	16	0.26
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	16	0.26
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	16	0.26
(1,2751)	1:108:B:LYS:HG2	1:108:B:LYS:H	14	0.26
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	6	0.26
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	6	0.26
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	6	0.26
(1,2638)	1:10:B:SER:HB3	1:11:B:PRO:HG3	17	0.26
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	3	0.26
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	3	0.26
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	11	0.26
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	18	0.26
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	4	0.26
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	4	0.26
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	4	0.26
(1,2293)	1:43:B:VAL:HB	1:44:B:PRO:HD2	12	0.26
(1,2282)	1:43:B:VAL:HG13	1:49:B:GLN:HB2	10	0.26
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG11	14	0.26
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG12	14	0.26
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG13	14	0.26
(1,2116)	1:52:B:HIS:HE1	1:63:B:VAL:HG21	12	0.26
(1,2116)	1:52:B:HIS:HE1	1:63:B:VAL:HG22	12	0.26
(1,2116)	1:52:B:HIS:HE1	1:63:B:VAL:HG23	12	0.26
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG21	5	0.26
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG22	5	0.26
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG23	5	0.26
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HE2	8	0.26
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD2	13	0.26
(1,1993)	1:59:B:LEU:HB2	1:57:B:MET:HB3	6	0.26
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG11	14	0.26
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG12	14	0.26
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG13	14	0.26
(1,1917)	1:64:B:LYS:HD2	1:65:B:ASP:H	10	0.26
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD21	17	0.26
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD22	17	0.26
(1,1878)	1:67:B:GLN:HG3	1:37:B:LEU:HD23	17	0.26
(1,1870)	1:71:B:THR:HB	1:71:B:THR:HA	19	0.26
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	6	0.26
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	6	0.26
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	6	0.26
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	17	0.26
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	17	0.26
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	17	0.26
(1,1808)	1:74:B:VAL:HG11	1:75:B:LEU:HG	10	0.26
(1,1808)	1:74:B:VAL:HG13	1:75:B:LEU:HG	16	0.26
(1,1780)	1:76:B:TRP:HD1	1:74:B:VAL:HG11	7	0.26
(1,1780)	1:76:B:TRP:HD1	1:74:B:VAL:HG12	7	0.26
(1,1780)	1:76:B:TRP:HD1	1:74:B:VAL:HG13	7	0.26
(1,1743)	1:85:B:GLN:HB3	1:82:B:LEU:HB3	11	0.26
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	15	0.26
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	15	0.26
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:127:B:ARG:HD3	1:116:B:ASP:H	11	0.26
(1,1653)	1:89:B:GLU:HG3	1:89:B:GLU:H	6	0.26
(1,1653)	1:89:B:GLU:HG3	1:89:B:GLU:H	7	0.26
(1,1653)	1:89:B:GLU:HG3	1:89:B:GLU:H	15	0.26
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	2	0.26
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	4	0.26
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	9	0.26
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	10	0.26
(1,1511)	1:37:B:LEU:HB3	1:36:B:ILE:H	18	0.26
(1,1425)	1:103:B:LYS:HE2	1:103:B:LYS:H	5	0.26
(1,1389)	1:106:B:THR:HG21	1:83:B:GLU:HB3	10	0.26
(1,1389)	1:106:B:THR:HG22	1:83:B:GLU:HB3	10	0.26
(1,1389)	1:106:B:THR:HG23	1:83:B:GLU:HB3	10	0.26
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG23	16	0.26
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	8	0.26
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	8	0.26
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	8	0.26
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	16	0.26
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	16	0.26
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	16	0.26
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG11	20	0.26
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG12	20	0.26
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG13	20	0.26
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	11	0.26
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	11	0.26
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	11	0.26
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	11	0.26
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	11	0.26
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	11	0.26
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	11	0.26
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	11	0.26
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	11	0.26
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	7	0.26
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	7	0.26
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	7	0.26
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB2	2	0.26
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB2	2	0.26
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB2	2	0.26
(1,975)	1:130:B:LEU:HD11	1:129:B:GLU:HA	3	0.26
(1,975)	1:130:B:LEU:HD12	1:129:B:GLU:HA	3	0.26
(1,975)	1:130:B:LEU:HD13	1:129:B:GLU:HA	3	0.26
(1,959)	1:131:B:TYR:HD1	1:127:B:ARG:HB3	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:131:B:TYR:HD2	1:127:B:ARG:HB3	12	0.26
(1,911)	1:135:B:GLN:HA	1:136:B:LYS:HG3	2	0.26
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG3	6	0.26
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	18	0.26
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	8	0.26
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	8	0.26
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	8	0.26
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	17	0.26
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	17	0.26
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	17	0.26
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	8	0.26
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	8	0.26
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	11	0.26
(1,251)	1:40:B:LEU:H	1:40:B:LEU:HG	1	0.26
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	12	0.26
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE1	8	0.26
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE2	8	0.26
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE3	8	0.26
(3,1872)	1:118:B:LEU:HD23	1:115:B:VAL:H	3	0.25
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG23	13	0.25
(3,1833)	1:9:B:TRP:HD1	1:49:B:GLN:HB3	1	0.25
(3,1760)	1:19:B:GLU:HA	1:22:B:LEU:HB3	5	0.25
(3,1668)	1:32:B:VAL:HG23	1:24:B:ASN:H	9	0.25
(3,1668)	1:32:B:VAL:HG21	1:24:B:ASN:H	11	0.25
(3,1655)	1:33:B:VAL:HA	1:33:B:VAL:HG23	5	0.25
(3,1635)	1:35:B:ALA:HB2	1:34:B:GLU:H	5	0.25
(3,1635)	1:35:B:ALA:HB1	1:34:B:GLU:H	8	0.25
(3,1560)	1:41:B:ASN:HB2	1:40:B:LEU:HB3	20	0.25
(3,1547)	1:43:B:VAL:HG13	1:45:B:ARG:HD3	9	0.25
(3,1486)	1:50:B:ILE:HG23	1:33:B:VAL:H	9	0.25
(3,1450)	1:51:B:ILE:HG22	1:52:B:HIS:HD2	20	0.25
(3,1388)	1:54:B:LEU:HD22	1:56:B:GLN:H	12	0.25
(3,1388)	1:54:B:LEU:HD21	1:53:B:HIS:H	20	0.25
(3,1338)	1:57:B:MET:HE1	1:57:B:MET:HB3	13	0.25
(3,1330)	1:57:B:MET:HG2	1:54:B:LEU:HD22	13	0.25
(3,1322)	1:37:B:LEU:HD22	1:48:B:LYS:H	5	0.25
(3,1313)	1:37:B:LEU:HD23	1:37:B:LEU:HB3	12	0.25
(3,1288)	1:31:B:ASP:HB2	1:37:B:LEU:HG	20	0.25
(3,1262)	1:65:B:ASP:HB3	1:63:B:VAL:HA	4	0.25
(3,1242)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	14	0.25
(3,1234)	1:46:B:THR:HG23	1:47:B:ARG:HD3	14	0.25
(3,1197)	1:73:B:ILE:HG21	1:73:B:ILE:HA	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG21	15	0.25
(3,1160)	1:72:B:HIS:HB2	1:74:B:VAL:H	3	0.25
(3,1132)	1:72:B:HIS:HB2	1:73:B:ILE:HG12	9	0.25
(3,1075)	1:17:B:LEU:HD11	1:19:B:GLU:H	19	0.25
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD11	10	0.25
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	14	0.25
(3,841)	1:102:B:MET:HE2	1:109:B:ARG:HB3	1	0.25
(3,839)	1:102:B:MET:HE1	1:103:B:LYS:HE2	8	0.25
(3,838)	1:102:B:MET:HE3	1:99:B:GLY:HA3	18	0.25
(3,810)	1:107:B:ALA:HB2	1:105:B:ILE:HB	2	0.25
(3,809)	1:107:B:ALA:HB3	1:80:B:GLN:HB3	8	0.25
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD12	15	0.25
(3,713)	1:22:B:LEU:HD21	1:22:B:LEU:H	7	0.25
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD21	5	0.25
(3,620)	1:119:B:LEU:HD12	1:124:B:VAL:HB	4	0.25
(3,619)	1:119:B:LEU:HD11	1:126:B:GLU:HB2	4	0.25
(3,618)	1:119:B:LEU:HD13	1:119:B:LEU:HD23	8	0.25
(3,618)	1:119:B:LEU:HD12	1:119:B:LEU:HD23	13	0.25
(3,608)	1:112:B:ALA:HA	1:115:B:VAL:HA	15	0.25
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD12	12	0.25
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD12	17	0.25
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD22	7	0.25
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD21	11	0.25
(3,585)	1:121:B:LEU:HD11	1:81:B:GLU:H	10	0.25
(3,572)	1:55:B:VAL:HG22	1:57:B:MET:H	5	0.25
(3,572)	1:55:B:VAL:HG21	1:57:B:MET:H	16	0.25
(3,559)	1:84:B:LEU:HD21	1:115:B:VAL:HA	5	0.25
(3,551)	1:124:B:VAL:HG12	1:124:B:VAL:HG22	6	0.25
(3,551)	1:124:B:VAL:HG13	1:124:B:VAL:HG21	14	0.25
(3,482)	1:14:B:GLU:HG2	1:57:B:MET:HE3	14	0.25
(3,453)	1:47:B:ARG:HD2	1:37:B:LEU:HD22	6	0.25
(3,438)	1:134:B:ARG:HA	1:134:B:ARG:HB3	2	0.25
(3,429)	1:68:B:ARG:HA	1:64:B:LYS:HG2	9	0.25
(3,427)	1:136:B:LYS:HA	1:136:B:LYS:HB2	11	0.25
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB3	12	0.25
(3,356)	1:130:B:LEU:HD23	1:88:B:PHE:HE1	3	0.25
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD22	16	0.25
(3,172)	1:82:B:LEU:H	1:81:B:GLU:HG3	12	0.25
(3,147)	1:67:B:GLN:H	1:67:B:GLN:HG3	16	0.25
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG23	17	0.25
(2,52)	1:35:B:ALA:HB1	1:33:B:VAL:HB	5	0.25
(2,52)	1:35:B:ALA:HB2	1:33:B:VAL:HB	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,52)	1:35:B:ALA:HB3	1:33:B:VAL:HB	5	0.25
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG11	9	0.25
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG12	9	0.25
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG13	9	0.25
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG11	9	0.25
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG12	9	0.25
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG13	9	0.25
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG11	9	0.25
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG12	9	0.25
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG13	9	0.25
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD11	9	0.25
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD12	9	0.25
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD13	9	0.25
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD11	9	0.25
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD12	9	0.25
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD13	9	0.25
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD11	9	0.25
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD12	9	0.25
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD13	9	0.25
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD11	18	0.25
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD12	18	0.25
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD13	18	0.25
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD11	18	0.25
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD12	18	0.25
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD13	18	0.25
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD11	18	0.25
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD12	18	0.25
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD13	18	0.25
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	16	0.25
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	2	0.25
(1,2380)	1:37:B:LEU:HB3	1:37:B:LEU:H	1	0.25
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	8	0.25
(1,2181)	1:50:B:ILE:HD11	1:49:B:GLN:HA	8	0.25
(1,2181)	1:50:B:ILE:HD12	1:49:B:GLN:HA	8	0.25
(1,2181)	1:50:B:ILE:HD13	1:49:B:GLN:HA	8	0.25
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	2	0.25
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	2	0.25
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	2	0.25
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	4	0.25
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	4	0.25
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	4	0.25
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	4	0.25
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	4	0.25
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	4	0.25
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	4	0.25
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	4	0.25
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	10	0.25
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	10	0.25
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	10	0.25
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	10	0.25
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	10	0.25
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	10	0.25
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	10	0.25
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	10	0.25
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	10	0.25
(1,2034)	1:57:B:MET:HE1	1:21:B:TYR:HD2	18	0.25
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	2	0.25
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	2	0.25
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	2	0.25
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	17	0.25
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	17	0.25
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	17	0.25
(1,2024)	1:57:B:MET:HE1	1:59:B:LEU:HG	8	0.25
(1,2024)	1:57:B:MET:HE2	1:59:B:LEU:HG	8	0.25
(1,2024)	1:57:B:MET:HE3	1:59:B:LEU:HG	8	0.25
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	17	0.25
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	17	0.25
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	17	0.25
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD11	4	0.25
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD12	4	0.25
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD13	4	0.25
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD11	4	0.25
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD12	4	0.25
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD13	4	0.25
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD11	4	0.25
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD12	4	0.25
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD13	4	0.25
(1,1898)	1:65:B:ASP:HB3	1:55:B:VAL:HG11	11	0.25
(1,1898)	1:65:B:ASP:HB3	1:55:B:VAL:HG12	11	0.25
(1,1898)	1:65:B:ASP:HB3	1:55:B:VAL:HG13	11	0.25
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG21	9	0.25
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG22	9	0.25
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG23	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:71:B:THR:HB	1:71:B:THR:HA	16	0.25
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	8	0.25
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	8	0.25
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	8	0.25
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	11	0.25
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	11	0.25
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	11	0.25
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	9	0.25
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	9	0.25
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	9	0.25
(1,1695)	1:127:B:ARG:HD3	1:116:B:ASP:H	8	0.25
(1,1620)	1:90:B:GLU:HG2	1:91:B:PHE:HD1	16	0.25
(1,1620)	1:90:B:GLU:HG2	1:91:B:PHE:HD2	16	0.25
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	5	0.25
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	12	0.25
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	19	0.25
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	12	0.25
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	12	0.25
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	12	0.25
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	14	0.25
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	14	0.25
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	14	0.25
(1,1529)	1:97:B:VAL:HG21	1:101:B:ILE:H	8	0.25
(1,1529)	1:97:B:VAL:HG22	1:101:B:ILE:H	8	0.25
(1,1529)	1:97:B:VAL:HG23	1:101:B:ILE:H	8	0.25
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	11	0.25
(1,1425)	1:103:B:LYS:HE3	1:103:B:LYS:H	2	0.25
(1,1414)	1:103:B:LYS:HD3	1:103:B:LYS:HG2	6	0.25
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	9	0.25
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	4	0.25
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	19	0.25
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	20	0.25
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	20	0.25
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	20	0.25
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	19	0.25
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	19	0.25
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	19	0.25
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG3	16	0.25
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG3	16	0.25
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG3	16	0.25
(1,1096)	1:123:B:LEU:HD21	1:85:B:GLN:HG3	19	0.25
(1,1096)	1:123:B:LEU:HD22	1:85:B:GLN:HG3	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:123:B:LEU:HD23	1:85:B:GLN:HG3	19	0.25
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	18	0.25
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	18	0.25
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	18	0.25
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD2	13	0.25
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	8	0.25
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	8	0.25
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	8	0.25
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	11	0.25
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	11	0.25
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	11	0.25
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	18	0.25
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	18	0.25
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	18	0.25
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	12	0.25
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	12	0.25
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	12	0.25
(1,691)	1:110:B:SER:H	1:113:B:ARG:HB3	14	0.25
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG22	19	0.25
(1,587)	1:92:B:ARG:H	1:92:B:ARG:HG2	7	0.25
(1,431)	1:67:B:GLN:H	1:64:B:LYS:HB3	12	0.25
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	2	0.25
(1,248)	1:40:B:LEU:H	1:37:B:LEU:HA	3	0.25
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	18	0.25
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	17	0.25
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	17	0.25
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	17	0.25
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE1	5	0.25
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE2	5	0.25
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE3	5	0.25
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE1	13	0.25
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE2	13	0.25
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE3	13	0.25
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	6	0.25
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	5	0.25
(1,31)	1:9:B:TRP:H	1:9:B:TRP:HD1	4	0.25
(1,31)	1:9:B:TRP:H	1:9:B:TRP:HD1	9	0.25
(1,31)	1:9:B:TRP:H	1:9:B:TRP:HD1	10	0.25
(3,1887)	1:87:B:LEU:HD22	1:83:B:GLU:HG3	6	0.24
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	6	0.24
(3,1751)	1:18:B:ARG:HD3	1:59:B:LEU:HD22	11	0.24
(3,1673)	1:32:B:VAL:HB	1:66:B:PHE:HD1	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1668)	1:32:B:VAL:HG21	1:24:B:ASN:H	2	0.24
(3,1635)	1:35:B:ALA:HB1	1:34:B:GLU:H	14	0.24
(3,1617)	1:36:B:ILE:HA	1:37:B:LEU:HB2	14	0.24
(3,1596)	1:38:B:ALA:HB1	1:37:B:LEU:HB2	12	0.24
(3,1595)	1:38:B:ALA:HB1	1:37:B:LEU:HB3	12	0.24
(3,1517)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	2	0.24
(3,1499)	1:48:B:LYS:HA	1:48:B:LYS:HG3	8	0.24
(3,1450)	1:51:B:ILE:HG23	1:52:B:HIS:HD2	4	0.24
(3,1439)	1:51:B:ILE:HD11	1:52:B:HIS:HB2	19	0.24
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD22	15	0.24
(3,1348)	1:30:B:GLN:HG3	1:31:B:ASP:HB3	3	0.24
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	15	0.24
(3,1338)	1:57:B:MET:HE3	1:57:B:MET:HB3	3	0.24
(3,1214)	1:73:B:ILE:HG12	1:72:B:HIS:HB3	10	0.24
(3,1198)	1:73:B:ILE:HD11	1:73:B:ILE:H	18	0.24
(3,1197)	1:73:B:ILE:HG23	1:73:B:ILE:HA	13	0.24
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG23	13	0.24
(3,1173)	1:74:B:VAL:HG12	1:74:B:VAL:HB	14	0.24
(3,1173)	1:74:B:VAL:HG13	1:74:B:VAL:HB	18	0.24
(3,1103)	1:19:B:GLU:HG2	1:16:B:HIS:HE1	6	0.24
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG11	12	0.24
(3,899)	1:98:B:LEU:HD22	1:98:B:LEU:HG	1	0.24
(3,899)	1:98:B:LEU:HD22	1:98:B:LEU:HG	5	0.24
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB3	3	0.24
(3,839)	1:102:B:MET:HE3	1:103:B:LYS:HE2	13	0.24
(3,838)	1:102:B:MET:HE1	1:99:B:GLY:HA3	11	0.24
(3,811)	1:107:B:ALA:HB3	1:109:B:ARG:HB2	8	0.24
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD11	2	0.24
(3,722)	1:27:B:VAL:HG11	1:30:B:GLN:HE21	16	0.24
(3,713)	1:22:B:LEU:HD23	1:22:B:LEU:H	3	0.24
(3,713)	1:22:B:LEU:HD21	1:22:B:LEU:H	14	0.24
(3,682)	1:115:B:VAL:HG12	1:127:B:ARG:HB3	20	0.24
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD23	3	0.24
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD22	16	0.24
(3,624)	1:37:B:LEU:HD21	1:47:B:ARG:HD2	20	0.24
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD13	19	0.24
(3,482)	1:14:B:GLU:HG2	1:57:B:MET:HE3	15	0.24
(3,464)	1:134:B:ARG:HG2	1:134:B:ARG:H	15	0.24
(3,448)	1:111:B:ARG:HD3	1:98:B:LEU:HB3	4	0.24
(3,448)	1:4:B:ARG:HD3	1:4:B:ARG:HB3	19	0.24
(3,441)	1:67:B:GLN:HG2	1:63:B:VAL:HG21	13	0.24
(3,438)	1:133:B:LYS:HA	1:133:B:LYS:HB3	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,427)	1:136:B:LYS:HA	1:136:B:LYS:HB3	14	0.24
(3,397)	1:25:B:LYS:HE2	1:25:B:LYS:HD2	13	0.24
(3,361)	1:82:B:LEU:HD12	1:85:B:GLN:H	7	0.24
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD12	1	0.24
(3,175)	1:82:B:LEU:H	1:81:B:GLU:HB2	6	0.24
(3,175)	1:82:B:LEU:H	1:81:B:GLU:HB2	7	0.24
(3,174)	1:82:B:LEU:H	1:82:B:LEU:HB2	9	0.24
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG22	18	0.24
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG21	1	0.24
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	2	0.24
(3,12)	1:9:B:TRP:HE1	1:50:B:ILE:HD13	1	0.24
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	1	0.24
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	1	0.24
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	1	0.24
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG2	5	0.24
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG2	7	0.24
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	15	0.24
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	15	0.24
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	15	0.24
(1,2659)	1:8:B:THR:HB	1:9:B:TRP:HB2	16	0.24
(1,2659)	1:8:B:THR:HB	1:9:B:TRP:HB2	19	0.24
(1,2651)	1:9:B:TRP:HZ2	1:49:B:GLN:HG2	15	0.24
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	16	0.24
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	16	0.24
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	16	0.24
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	17	0.24
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	17	0.24
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	17	0.24
(1,2397)	1:35:B:ALA:HB1	1:39:B:HIS:HB3	20	0.24
(1,2397)	1:35:B:ALA:HB2	1:39:B:HIS:HB3	20	0.24
(1,2397)	1:35:B:ALA:HB3	1:39:B:HIS:HB3	20	0.24
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	20	0.24
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	20	0.24
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	20	0.24
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	20	0.24
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	20	0.24
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	20	0.24
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	20	0.24
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	20	0.24
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	20	0.24
(1,2386)	1:36:B:ILE:HB	1:33:B:VAL:HA	10	0.24
(1,2300)	1:43:B:VAL:HG21	1:53:B:HIS:HD2	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2300)	1:43:B:VAL:HG22	1:53:B:HIS:HD2	10	0.24
(1,2300)	1:43:B:VAL:HG23	1:53:B:HIS:HD2	10	0.24
(1,2241)	1:45:B:ARG:HD3	1:53:B:HIS:HD2	8	0.24
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	18	0.24
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	18	0.24
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	18	0.24
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD11	2	0.24
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD12	2	0.24
(1,2134)	1:51:B:ILE:HD11	1:54:B:LEU:HD13	2	0.24
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD11	2	0.24
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD12	2	0.24
(1,2134)	1:51:B:ILE:HD12	1:54:B:LEU:HD13	2	0.24
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD11	2	0.24
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD12	2	0.24
(1,2134)	1:51:B:ILE:HD13	1:54:B:LEU:HD13	2	0.24
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG21	1	0.24
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG22	1	0.24
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG23	1	0.24
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	13	0.24
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	13	0.24
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	13	0.24
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	13	0.24
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	13	0.24
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	13	0.24
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	13	0.24
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	13	0.24
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	13	0.24
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	16	0.24
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	16	0.24
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	16	0.24
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	16	0.24
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	16	0.24
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	16	0.24
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	16	0.24
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	16	0.24
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	16	0.24
(1,2063)	1:55:B:VAL:HG11	1:60:B:ALA:HB1	3	0.24
(1,2063)	1:55:B:VAL:HG11	1:60:B:ALA:HB2	3	0.24
(1,2063)	1:55:B:VAL:HG11	1:60:B:ALA:HB3	3	0.24
(1,2063)	1:55:B:VAL:HG12	1:60:B:ALA:HB1	3	0.24
(1,2063)	1:55:B:VAL:HG12	1:60:B:ALA:HB2	3	0.24
(1,2063)	1:55:B:VAL:HG12	1:60:B:ALA:HB3	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:55:B:VAL:HG13	1:60:B:ALA:HB1	3	0.24
(1,2063)	1:55:B:VAL:HG13	1:60:B:ALA:HB2	3	0.24
(1,2063)	1:55:B:VAL:HG13	1:60:B:ALA:HB3	3	0.24
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	4	0.24
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	4	0.24
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	4	0.24
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	2	0.24
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	2	0.24
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	2	0.24
(1,1907)	1:64:B:LYS:HB3	1:63:B:VAL:HG11	11	0.24
(1,1907)	1:64:B:LYS:HB3	1:63:B:VAL:HG12	11	0.24
(1,1907)	1:64:B:LYS:HB3	1:63:B:VAL:HG13	11	0.24
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG21	6	0.24
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG22	6	0.24
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG23	6	0.24
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	3	0.24
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	3	0.24
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	3	0.24
(1,1633)	1:90:B:GLU:HG3	1:86:B:ARG:HA	12	0.24
(1,1620)	1:90:B:GLU:HG2	1:91:B:PHE:HD1	7	0.24
(1,1620)	1:90:B:GLU:HG2	1:91:B:PHE:HD2	7	0.24
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG21	10	0.24
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG22	10	0.24
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG23	10	0.24
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG21	10	0.24
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG22	10	0.24
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG23	10	0.24
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG21	20	0.24
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG22	20	0.24
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG23	20	0.24
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG21	20	0.24
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG22	20	0.24
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG23	20	0.24
(1,1549)	1:65:B:ASP:HB3	1:64:B:LYS:HB2	3	0.24
(1,1509)	1:98:B:LEU:HD21	1:101:B:ILE:H	13	0.24
(1,1509)	1:98:B:LEU:HD22	1:101:B:ILE:H	13	0.24
(1,1509)	1:98:B:LEU:HD23	1:101:B:ILE:H	13	0.24
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD11	14	0.24
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD12	14	0.24
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD13	14	0.24
(1,1469)	1:105:B:ILE:HD11	1:80:B:GLN:HE21	8	0.24
(1,1469)	1:105:B:ILE:HD12	1:80:B:GLN:HE21	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:105:B:ILE:HD13	1:80:B:GLN:HE21	8	0.24
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	16	0.24
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	3	0.24
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	10	0.24
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG22	11	0.24
(1,1268)	1:114:B:ILE:HG21	1:111:B:ARG:HA	20	0.24
(1,1268)	1:114:B:ILE:HG22	1:111:B:ARG:HA	20	0.24
(1,1268)	1:114:B:ILE:HG23	1:111:B:ARG:HA	20	0.24
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	15	0.24
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	15	0.24
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	15	0.24
(1,1178)	1:119:B:LEU:HG	1:126:B:GLU:H	17	0.24
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	17	0.24
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	17	0.24
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	17	0.24
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	17	0.24
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	17	0.24
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	17	0.24
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	17	0.24
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	17	0.24
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	17	0.24
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	18	0.24
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	18	0.24
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	18	0.24
(1,1080)	1:124:B:VAL:HG11	1:88:B:PHE:HE1	5	0.24
(1,1080)	1:124:B:VAL:HG11	1:88:B:PHE:HE2	5	0.24
(1,1080)	1:124:B:VAL:HG12	1:88:B:PHE:HE1	5	0.24
(1,1080)	1:124:B:VAL:HG12	1:88:B:PHE:HE2	5	0.24
(1,1080)	1:124:B:VAL:HG13	1:88:B:PHE:HE1	5	0.24
(1,1080)	1:124:B:VAL:HG13	1:88:B:PHE:HE2	5	0.24
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	8	0.24
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	8	0.24
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	8	0.24
(1,1076)	1:124:B:VAL:HG11	1:115:B:VAL:HA	4	0.24
(1,1076)	1:124:B:VAL:HG12	1:115:B:VAL:HA	4	0.24
(1,1076)	1:124:B:VAL:HG13	1:115:B:VAL:HA	4	0.24
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	8	0.24
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	8	0.24
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	8	0.24
(1,954)	1:131:B:TYR:HE1	1:127:B:ARG:HG2	4	0.24
(1,954)	1:131:B:TYR:HE2	1:127:B:ARG:HG2	4	0.24
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	14	0.24
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	14	0.24
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB1	10	0.24
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB2	10	0.24
(1,855)	1:141:B:SER:HB3	1:125:B:ALA:HB3	10	0.24
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	3	0.24
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	3	0.24
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	3	0.24
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	15	0.24
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	15	0.24
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	15	0.24
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG11	8	0.24
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG12	8	0.24
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG13	8	0.24
(1,608)	1:94:B:SER:H	1:91:B:PHE:HA	12	0.24
(1,409)	1:64:B:LYS:H	1:65:B:ASP:HB3	14	0.24
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	14	0.24
(1,177)	1:30:B:GLN:HE22	1:35:B:ALA:HB1	6	0.24
(1,177)	1:30:B:GLN:HE22	1:35:B:ALA:HB2	6	0.24
(1,177)	1:30:B:GLN:HE22	1:35:B:ALA:HB3	6	0.24
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	17	0.24
(1,3)	1:102:B:MET:H	1:102:B:MET:HG3	12	0.24
(3,1873)	1:118:B:LEU:HD11	1:119:B:LEU:HA	1	0.23
(3,1872)	1:118:B:LEU:HD21	1:115:B:VAL:H	1	0.23
(3,1862)	1:6:B:ALA:HA	1:44:B:PRO:HB2	15	0.23
(3,1628)	1:35:B:ALA:HB1	1:32:B:VAL:HG21	8	0.23
(3,1544)	1:44:B:PRO:HD2	1:45:B:ARG:H	6	0.23
(3,1522)	1:128:B:ARG:HD2	1:126:B:GLU:HG3	12	0.23
(3,1517)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	3	0.23
(3,1517)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	4	0.23
(3,1485)	1:50:B:ILE:HG23	1:49:B:GLN:H	1	0.23
(3,1439)	1:51:B:ILE:HD13	1:52:B:HIS:HB2	15	0.23
(3,1388)	1:54:B:LEU:HD21	1:56:B:GLN:H	16	0.23
(3,1386)	1:54:B:LEU:HD21	1:17:B:LEU:HD22	8	0.23
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD23	2	0.23
(3,1338)	1:57:B:MET:HE1	1:57:B:MET:HB3	12	0.23
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD13	13	0.23
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD12	14	0.23
(3,1313)	1:37:B:LEU:HD22	1:37:B:LEU:HB3	11	0.23
(3,1312)	1:37:B:LEU:HD22	1:37:B:LEU:HG	3	0.23
(3,1312)	1:37:B:LEU:HD23	1:37:B:LEU:HG	6	0.23
(3,1312)	1:37:B:LEU:HD21	1:37:B:LEU:HG	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1312)	1:37:B:LEU:HD22	1:37:B:LEU:HG	17	0.23
(3,1312)	1:37:B:LEU:HD22	1:37:B:LEU:HG	20	0.23
(3,1288)	1:61:B:ASP:HB3	1:64:B:LYS:HD2	18	0.23
(3,1286)	1:31:B:ASP:HB2	1:30:B:GLN:HB3	5	0.23
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG22	20	0.23
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	3	0.23
(3,1180)	1:74:B:VAL:HG22	1:76:B:TRP:HZ3	18	0.23
(3,1173)	1:74:B:VAL:HG11	1:74:B:VAL:HB	10	0.23
(3,1173)	1:74:B:VAL:HG11	1:74:B:VAL:HB	12	0.23
(3,1172)	1:74:B:VAL:HG13	1:109:B:ARG:HB2	6	0.23
(3,1149)	1:52:B:HIS:HB3	1:56:B:GLN:HA	2	0.23
(3,1134)	1:52:B:HIS:HB3	1:48:B:LYS:HG3	12	0.23
(3,1113)	1:82:B:LEU:HD12	1:83:B:GLU:HB3	10	0.23
(3,1088)	1:102:B:MET:HA	1:84:B:LEU:HD22	11	0.23
(3,1036)	1:20:B:LEU:HD11	1:19:B:GLU:HG3	20	0.23
(3,929)	1:97:B:VAL:HG12	1:96:B:ASP:HB3	10	0.23
(3,929)	1:97:B:VAL:HG11	1:96:B:ASP:HB2	17	0.23
(3,914)	1:98:B:LEU:HD22	1:130:B:LEU:H	15	0.23
(3,899)	1:98:B:LEU:HD23	1:98:B:LEU:HG	3	0.23
(3,899)	1:37:B:LEU:HD12	1:37:B:LEU:HG	8	0.23
(3,899)	1:37:B:LEU:HD12	1:37:B:LEU:HG	9	0.23
(3,899)	1:98:B:LEU:HD23	1:98:B:LEU:HG	10	0.23
(3,862)	1:101:B:ILE:HD13	1:98:B:LEU:HB3	4	0.23
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD12	14	0.23
(3,714)	1:97:B:VAL:HG23	1:89:B:GLU:H	1	0.23
(3,713)	1:22:B:LEU:HD21	1:22:B:LEU:H	5	0.23
(3,676)	1:63:B:VAL:HB	1:63:B:VAL:HG21	1	0.23
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG23	3	0.23
(3,619)	1:119:B:LEU:HD12	1:126:B:GLU:HB2	14	0.23
(3,618)	1:119:B:LEU:HD11	1:119:B:LEU:HD21	4	0.23
(3,618)	1:119:B:LEU:HD12	1:119:B:LEU:HD22	6	0.23
(3,618)	1:119:B:LEU:HD12	1:119:B:LEU:HD22	11	0.23
(3,608)	1:112:B:ALA:HA	1:115:B:VAL:HA	5	0.23
(3,591)	1:20:B:LEU:HD22	1:23:B:ALA:H	15	0.23
(3,560)	1:123:B:LEU:HD21	1:88:B:PHE:HB2	3	0.23
(3,551)	1:124:B:VAL:HG12	1:124:B:VAL:HG22	19	0.23
(3,406)	1:133:B:LYS:HD2	1:133:B:LYS:HA	12	0.23
(3,404)	1:137:B:LYS:HD3	1:137:B:LYS:HE2	13	0.23
(3,400)	1:137:B:LYS:HE2	1:137:B:LYS:HD3	13	0.23
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	1	0.23
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	8	0.23
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,397)	1:25:B:LYS:HE2	1:25:B:LYS:HD2	19	0.23
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	3	0.23
(3,375)	1:5:B:ARG:HG3	1:5:B:ARG:HD2	9	0.23
(3,375)	1:4:B:ARG:HG2	1:4:B:ARG:HD3	16	0.23
(3,375)	1:5:B:ARG:HG2	1:5:B:ARG:HD3	20	0.23
(3,370)	1:130:B:LEU:HD21	1:119:B:LEU:HA	15	0.23
(3,354)	1:82:B:LEU:HD21	1:83:B:GLU:H	11	0.23
(3,323)	1:139:B:ALA:H	1:141:B:SER:HA	9	0.23
(3,172)	1:82:B:LEU:H	1:81:B:GLU:HG3	3	0.23
(3,80)	1:38:B:ALA:H	1:50:B:ILE:HG21	6	0.23
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	3	0.23
(3,8)	1:6:B:ALA:H	1:7:B:PRO:HG3	15	0.23
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	9	0.23
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG2	10	0.23
(1,2592)	1:15:B:ALA:HB3	1:57:B:MET:HE3	7	0.23
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	4	0.23
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	4	0.23
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	4	0.23
(1,2553)	1:17:B:LEU:HD11	1:21:B:TYR:HB2	10	0.23
(1,2553)	1:17:B:LEU:HD12	1:21:B:TYR:HB2	10	0.23
(1,2553)	1:17:B:LEU:HD13	1:21:B:TYR:HB2	10	0.23
(1,2552)	1:17:B:LEU:HD12	1:40:B:LEU:HG	4	0.23
(1,2536)	1:21:B:TYR:HE1	1:66:B:PHE:HE1	1	0.23
(1,2536)	1:21:B:TYR:HE1	1:66:B:PHE:HE2	1	0.23
(1,2536)	1:21:B:TYR:HE2	1:66:B:PHE:HE1	1	0.23
(1,2536)	1:21:B:TYR:HE2	1:66:B:PHE:HE2	1	0.23
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	13	0.23
(1,2296)	1:43:B:VAL:HG21	1:44:B:PRO:HD2	5	0.23
(1,2296)	1:43:B:VAL:HG22	1:44:B:PRO:HD2	5	0.23
(1,2296)	1:43:B:VAL:HG23	1:44:B:PRO:HD2	5	0.23
(1,2282)	1:43:B:VAL:HG12	1:49:B:GLN:HB2	3	0.23
(1,2282)	1:43:B:VAL:HG13	1:49:B:GLN:HB2	6	0.23
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	20	0.23
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	20	0.23
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	20	0.23
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD11	20	0.23
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD12	20	0.23
(1,2234)	1:45:B:ARG:HD3	1:50:B:ILE:HD13	20	0.23
(1,2197)	1:49:B:GLN:HG2	1:45:B:ARG:HG3	7	0.23
(1,2171)	1:103:B:LYS:HD3	1:103:B:LYS:HB2	10	0.23
(1,2031)	1:57:B:MET:HE1	1:57:B:MET:HA	18	0.23
(1,2031)	1:57:B:MET:HE2	1:57:B:MET:HA	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:57:B:MET:HE3	1:57:B:MET:HA	18	0.23
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	11	0.23
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	11	0.23
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	11	0.23
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD21	10	0.23
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD22	10	0.23
(1,1968)	1:42:B:THR:HG21	1:40:B:LEU:HD23	10	0.23
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD21	10	0.23
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD22	10	0.23
(1,1968)	1:42:B:THR:HG22	1:40:B:LEU:HD23	10	0.23
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD21	10	0.23
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD22	10	0.23
(1,1968)	1:42:B:THR:HG23	1:40:B:LEU:HD23	10	0.23
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD21	10	0.23
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD22	10	0.23
(1,1967)	1:42:B:THR:HG21	1:40:B:LEU:HD23	10	0.23
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD21	10	0.23
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD22	10	0.23
(1,1967)	1:42:B:THR:HG22	1:40:B:LEU:HD23	10	0.23
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD21	10	0.23
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD22	10	0.23
(1,1967)	1:42:B:THR:HG23	1:40:B:LEU:HD23	10	0.23
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	4	0.23
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	4	0.23
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	4	0.23
(1,1808)	1:74:B:VAL:HG11	1:75:B:LEU:HG	4	0.23
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	9	0.23
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	12	0.23
(1,1585)	1:92:B:ARG:HA	1:97:B:VAL:HB	5	0.23
(1,1571)	1:48:B:LYS:HG3	1:48:B:LYS:HE3	14	0.23
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	7	0.23
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	7	0.23
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	7	0.23
(1,1529)	1:97:B:VAL:HG21	1:101:B:ILE:H	5	0.23
(1,1529)	1:97:B:VAL:HG22	1:101:B:ILE:H	5	0.23
(1,1529)	1:97:B:VAL:HG23	1:101:B:ILE:H	5	0.23
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD21	17	0.23
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD22	17	0.23
(1,1506)	1:98:B:LEU:HD11	1:84:B:LEU:HD23	17	0.23
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD21	17	0.23
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD22	17	0.23
(1,1506)	1:98:B:LEU:HD12	1:84:B:LEU:HD23	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD21	17	0.23
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD22	17	0.23
(1,1506)	1:98:B:LEU:HD13	1:84:B:LEU:HD23	17	0.23
(1,1432)	1:103:B:LYS:HE3	1:103:B:LYS:HD3	6	0.23
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	7	0.23
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	8	0.23
(1,1432)	1:103:B:LYS:HE3	1:103:B:LYS:HD2	17	0.23
(1,1432)	1:103:B:LYS:HE3	1:103:B:LYS:HD3	18	0.23
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	20	0.23
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	1	0.23
(1,1414)	1:103:B:LYS:HD3	1:103:B:LYS:HG2	4	0.23
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	7	0.23
(1,1414)	1:103:B:LYS:HD3	1:103:B:LYS:HG2	11	0.23
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	15	0.23
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	16	0.23
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	20	0.23
(1,1359)	1:5:B:ARG:HB2	1:5:B:ARG:HD2	20	0.23
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD21	17	0.23
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD22	17	0.23
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD23	17	0.23
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD21	17	0.23
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD22	17	0.23
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD23	17	0.23
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD21	17	0.23
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD22	17	0.23
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD23	17	0.23
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD11	3	0.23
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD12	3	0.23
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD13	3	0.23
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD11	3	0.23
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD12	3	0.23
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD13	3	0.23
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD11	3	0.23
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD12	3	0.23
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD13	3	0.23
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	4	0.23
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	4	0.23
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	4	0.23
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	12	0.23
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	12	0.23
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	12	0.23
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	13	0.23
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	13	0.23
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	15	0.23
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	15	0.23
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	15	0.23
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	2	0.23
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	2	0.23
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	2	0.23
(1,1170)	1:59:B:LEU:HD11	1:21:B:TYR:HB3	19	0.23
(1,1170)	1:59:B:LEU:HD12	1:21:B:TYR:HB3	19	0.23
(1,1170)	1:59:B:LEU:HD13	1:21:B:TYR:HB3	19	0.23
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	5	0.23
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	5	0.23
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	5	0.23
(1,1003)	1:127:B:ARG:HD2	1:131:B:TYR:HE1	4	0.23
(1,1003)	1:127:B:ARG:HD2	1:131:B:TYR:HE2	4	0.23
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	15	0.23
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	15	0.23
(1,816)	1:138:B:LEU:H	1:138:B:LEU:HB3	12	0.23
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	5	0.23
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	10	0.23
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG22	4	0.23
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG23	18	0.23
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	14	0.23
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	6	0.23
(1,454)	1:70:B:GLY:H	1:68:B:ARG:HB2	4	0.23
(1,285)	1:46:B:THR:H	1:49:B:GLN:HG2	4	0.23
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	1	0.23
(1,173)	1:30:B:GLN:HE22	1:32:B:VAL:HA	4	0.23
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE1	16	0.23
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE2	16	0.23
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE3	16	0.23
(1,25)	1:8:B:THR:H	1:8:B:THR:HG21	19	0.23
(1,25)	1:8:B:THR:H	1:8:B:THR:HG22	19	0.23
(1,25)	1:8:B:THR:H	1:8:B:THR:HG23	19	0.23
(3,1755)	1:18:B:ARG:HD2	1:18:B:ARG:HB2	19	0.22
(3,1671)	1:32:B:VAL:HG11	1:66:B:PHE:H	2	0.22
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD13	11	0.22
(3,1638)	1:17:B:LEU:HA	1:20:B:LEU:HD22	2	0.22
(3,1635)	1:35:B:ALA:HB1	1:33:B:VAL:H	12	0.22
(3,1623)	1:36:B:ILE:HG21	1:50:B:ILE:HG12	6	0.22
(3,1622)	1:36:B:ILE:HG21	1:37:B:LEU:HG	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1622)	1:36:B:ILE:HG22	1:20:B:LEU:HG	10	0.22
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	17	0.22
(3,1560)	1:131:B:TYR:HB2	1:133:B:LYS:HG3	12	0.22
(3,1560)	1:131:B:TYR:HB2	1:133:B:LYS:HG3	13	0.22
(3,1528)	1:46:B:THR:HB	1:48:B:LYS:HG3	10	0.22
(3,1519)	1:47:B:ARG:HG3	1:37:B:LEU:HD22	9	0.22
(3,1517)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	18	0.22
(3,1462)	1:50:B:ILE:HG21	1:50:B:ILE:HG13	7	0.22
(3,1462)	1:50:B:ILE:HG21	1:50:B:ILE:HG13	18	0.22
(3,1437)	1:51:B:ILE:HG22	1:62:B:SER:HB3	2	0.22
(3,1435)	1:51:B:ILE:HG23	1:48:B:LYS:HG2	16	0.22
(3,1388)	1:54:B:LEU:HD23	1:53:B:HIS:H	7	0.22
(3,1377)	1:54:B:LEU:HD11	1:50:B:ILE:HG22	19	0.22
(3,1360)	1:55:B:VAL:HG13	1:63:B:VAL:HB	18	0.22
(3,1340)	1:57:B:MET:HE2	1:60:B:ALA:H	15	0.22
(3,1338)	1:57:B:MET:HE1	1:57:B:MET:HB3	19	0.22
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD13	2	0.22
(3,1312)	1:37:B:LEU:HD22	1:37:B:LEU:HG	9	0.22
(3,1312)	1:37:B:LEU:HD23	1:37:B:LEU:HG	13	0.22
(3,1312)	1:37:B:LEU:HD22	1:37:B:LEU:HG	18	0.22
(3,1312)	1:37:B:LEU:HD23	1:37:B:LEU:HG	19	0.22
(3,1261)	1:65:B:ASP:HB3	1:33:B:VAL:HG12	10	0.22
(3,1225)	1:71:B:THR:HA	1:73:B:ILE:HG23	14	0.22
(3,1218)	1:72:B:HIS:HD2	1:113:B:ARG:HA	12	0.22
(3,1197)	1:73:B:ILE:HG22	1:73:B:ILE:HA	17	0.22
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG22	17	0.22
(3,1175)	1:74:B:VAL:HG13	1:109:B:ARG:HB3	15	0.22
(3,1173)	1:74:B:VAL:HG11	1:74:B:VAL:HB	4	0.22
(3,1173)	1:74:B:VAL:HG13	1:74:B:VAL:HB	6	0.22
(3,1173)	1:74:B:VAL:HG13	1:74:B:VAL:HB	16	0.22
(3,1128)	1:76:B:TRP:HB3	1:74:B:VAL:HG23	15	0.22
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG23	4	0.22
(3,1110)	1:82:B:LEU:HD12	1:87:B:LEU:H	2	0.22
(3,1110)	1:82:B:LEU:HD13	1:87:B:LEU:H	11	0.22
(3,1100)	1:83:B:GLU:HG2	1:105:B:ILE:HG12	10	0.22
(3,1099)	1:34:B:GLU:HG2	1:37:B:LEU:HB2	18	0.22
(3,1086)	1:84:B:LEU:HA	1:76:B:TRP:HZ3	6	0.22
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD22	9	0.22
(3,1036)	1:20:B:LEU:HD11	1:19:B:GLU:HG3	16	0.22
(3,1005)	1:83:B:GLU:HG2	1:86:B:ARG:H	19	0.22
(3,1005)	1:83:B:GLU:HG2	1:86:B:ARG:H	20	0.22
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,982)	1:66:B:PHE:HD2	1:63:B:VAL:HB	10	0.22
(3,963)	1:132:B:LYS:HG2	1:132:B:LYS:HD3	18	0.22
(3,934)	1:97:B:VAL:HG21	1:118:B:LEU:HD11	6	0.22
(3,934)	1:97:B:VAL:HG23	1:118:B:LEU:HD11	15	0.22
(3,929)	1:97:B:VAL:HG11	1:96:B:ASP:HB3	6	0.22
(3,893)	1:98:B:LEU:HD23	1:118:B:LEU:HD11	17	0.22
(3,862)	1:101:B:ILE:HD12	1:98:B:LEU:HB3	19	0.22
(3,809)	1:107:B:ALA:HB3	1:80:B:GLN:HB3	1	0.22
(3,776)	1:73:B:ILE:HG13	1:73:B:ILE:H	12	0.22
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD23	19	0.22
(3,726)	1:114:B:ILE:HG13	1:118:B:LEU:HD11	17	0.22
(3,691)	1:33:B:VAL:HG22	1:51:B:ILE:HA	16	0.22
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG23	2	0.22
(3,676)	1:115:B:VAL:HB	1:115:B:VAL:HG21	4	0.22
(3,676)	1:63:B:VAL:HB	1:63:B:VAL:HG21	7	0.22
(3,676)	1:63:B:VAL:HB	1:63:B:VAL:HG23	10	0.22
(3,676)	1:63:B:VAL:HB	1:63:B:VAL:HG23	15	0.22
(3,618)	1:119:B:LEU:HD11	1:119:B:LEU:HD22	1	0.22
(3,618)	1:119:B:LEU:HD12	1:119:B:LEU:HD22	2	0.22
(3,618)	1:119:B:LEU:HD11	1:119:B:LEU:HD22	9	0.22
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD23	15	0.22
(3,551)	1:124:B:VAL:HG13	1:119:B:LEU:HD21	5	0.22
(3,491)	1:130:B:LEU:HD12	1:116:B:ASP:H	5	0.22
(3,491)	1:130:B:LEU:HD12	1:116:B:ASP:H	7	0.22
(3,446)	1:134:B:ARG:HB3	1:134:B:ARG:HG3	3	0.22
(3,438)	1:68:B:ARG:HA	1:68:B:ARG:HB2	4	0.22
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB2	1	0.22
(3,427)	1:68:B:ARG:HA	1:68:B:ARG:HB2	10	0.22
(3,414)	1:137:B:LYS:HG3	1:137:B:LYS:HD2	18	0.22
(3,404)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	10	0.22
(3,404)	1:132:B:LYS:HD3	1:132:B:LYS:HE2	16	0.22
(3,404)	1:137:B:LYS:HD3	1:137:B:LYS:HE2	19	0.22
(3,403)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	10	0.22
(3,400)	1:64:B:LYS:HE3	1:64:B:LYS:HD2	10	0.22
(3,400)	1:48:B:LYS:HE3	1:48:B:LYS:HD2	17	0.22
(3,400)	1:137:B:LYS:HE2	1:137:B:LYS:HD3	19	0.22
(3,399)	1:132:B:LYS:HE3	1:132:B:LYS:HD2	10	0.22
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	3	0.22
(3,397)	1:48:B:LYS:HE3	1:48:B:LYS:HG2	5	0.22
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	7	0.22
(3,397)	1:25:B:LYS:HE2	1:25:B:LYS:HD3	11	0.22
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,375)	1:5:B:ARG:HG3	1:5:B:ARG:HD2	6	0.22
(3,375)	1:4:B:ARG:HG2	1:4:B:ARG:HD3	13	0.22
(3,374)	1:4:B:ARG:HG2	1:4:B:ARG:HD3	13	0.22
(3,366)	1:40:B:LEU:HD21	1:40:B:LEU:HA	5	0.22
(3,338)	1:3:B:SER:HB3	1:4:B:ARG:HG3	11	0.22
(3,323)	1:139:B:ALA:H	1:141:B:SER:HA	7	0.22
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD23	7	0.22
(3,175)	1:82:B:LEU:H	1:81:B:GLU:HB2	12	0.22
(3,163)	1:76:B:TRP:HE1	1:109:B:ARG:HB2	9	0.22
(3,162)	1:76:B:TRP:HE1	1:109:B:ARG:HB2	9	0.22
(3,148)	1:67:B:GLN:H	1:51:B:ILE:HB	4	0.22
(3,94)	1:49:B:GLN:H	1:33:B:VAL:HG13	12	0.22
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG23	7	0.22
(3,64)	1:33:B:VAL:H	1:33:B:VAL:HB	11	0.22
(3,49)	1:23:B:ALA:H	1:36:B:ILE:HD13	9	0.22
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	18	0.22
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD11	3	0.22
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD12	3	0.22
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD13	3	0.22
(2,52)	1:35:B:ALA:HB1	1:33:B:VAL:HB	9	0.22
(2,52)	1:35:B:ALA:HB2	1:33:B:VAL:HB	9	0.22
(2,52)	1:35:B:ALA:HB3	1:33:B:VAL:HB	9	0.22
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	17	0.22
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	17	0.22
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	17	0.22
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG2	8	0.22
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG2	13	0.22
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG2	14	0.22
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	13	0.22
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	13	0.22
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	13	0.22
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	3	0.22
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	3	0.22
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	3	0.22
(1,2552)	1:17:B:LEU:HD11	1:40:B:LEU:HG	1	0.22
(1,2552)	1:17:B:LEU:HD12	1:40:B:LEU:HG	15	0.22
(1,2552)	1:17:B:LEU:HD11	1:40:B:LEU:HG	19	0.22
(1,2495)	1:25:B:LYS:HG3	1:21:B:TYR:HE1	12	0.22
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE1	5	0.22
(1,2465)	1:86:B:ARG:HB2	1:91:B:PHE:HE2	5	0.22
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	2	0.22
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	10	0.22
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	10	0.22
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD21	10	0.22
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD22	10	0.22
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD23	10	0.22
(1,2300)	1:43:B:VAL:HG21	1:53:B:HIS:HD2	3	0.22
(1,2300)	1:43:B:VAL:HG22	1:53:B:HIS:HD2	3	0.22
(1,2300)	1:43:B:VAL:HG23	1:53:B:HIS:HD2	3	0.22
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD11	7	0.22
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD12	7	0.22
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD13	7	0.22
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD11	18	0.22
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD12	18	0.22
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD13	18	0.22
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG21	15	0.22
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG22	15	0.22
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG23	15	0.22
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG21	15	0.22
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG22	15	0.22
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG23	15	0.22
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG21	15	0.22
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG22	15	0.22
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG23	15	0.22
(1,2136)	1:51:B:ILE:HG21	1:63:B:VAL:HB	13	0.22
(1,2136)	1:51:B:ILE:HG22	1:63:B:VAL:HB	13	0.22
(1,2136)	1:51:B:ILE:HG23	1:63:B:VAL:HB	13	0.22
(1,2136)	1:51:B:ILE:HG21	1:63:B:VAL:HB	14	0.22
(1,2136)	1:51:B:ILE:HG22	1:63:B:VAL:HB	14	0.22
(1,2136)	1:51:B:ILE:HG23	1:63:B:VAL:HB	14	0.22
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG21	19	0.22
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG22	19	0.22
(1,2115)	1:52:B:HIS:HD2	1:51:B:ILE:HG23	19	0.22
(1,2112)	1:52:B:HIS:HD2	1:48:B:LYS:HD2	13	0.22
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	8	0.22
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	8	0.22
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	8	0.22
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	8	0.22
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	8	0.22
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	8	0.22
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	8	0.22
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	8	0.22
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2034)	1:57:B:MET:HE2	1:21:B:TYR:HD2	8	0.22
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	1	0.22
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	1	0.22
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	1	0.22
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HE1	11	0.22
(1,1995)	1:37:B:LEU:HD21	1:50:B:ILE:HB	8	0.22
(1,1995)	1:37:B:LEU:HD22	1:50:B:ILE:HB	8	0.22
(1,1995)	1:37:B:LEU:HD23	1:50:B:ILE:HB	8	0.22
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG11	15	0.22
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG12	15	0.22
(1,1955)	1:61:B:ASP:HA	1:55:B:VAL:HG13	15	0.22
(1,1943)	1:62:B:SER:HB3	1:63:B:VAL:H	15	0.22
(1,1914)	1:64:B:LYS:HD2	1:64:B:LYS:HA	20	0.22
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	4	0.22
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	4	0.22
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	4	0.22
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	6	0.22
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	6	0.22
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	6	0.22
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD1	12	0.22
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD2	12	0.22
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	17	0.22
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	20	0.22
(1,1652)	1:89:B:GLU:HG2	1:88:B:PHE:HD1	5	0.22
(1,1652)	1:89:B:GLU:HG2	1:88:B:PHE:HD2	5	0.22
(1,1558)	1:92:B:ARG:HD2	1:89:B:GLU:HB2	19	0.22
(1,1511)	1:37:B:LEU:HB3	1:36:B:ILE:H	5	0.22
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	13	0.22
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	13	0.22
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	13	0.22
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	4	0.22
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD2	14	0.22
(1,1432)	1:103:B:LYS:HE3	1:103:B:LYS:HD2	15	0.22
(1,1432)	1:103:B:LYS:HE3	1:103:B:LYS:HD3	19	0.22
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG21	11	0.22
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG22	11	0.22
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG23	11	0.22
(1,1414)	1:103:B:LYS:HD3	1:103:B:LYS:HG2	8	0.22
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	17	0.22
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	2	0.22
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	5	0.22
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	15	0.22
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	15	0.22
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	15	0.22
(1,1357)	1:108:B:LYS:HB3	1:105:B:ILE:HG23	14	0.22
(1,1304)	1:113:B:ARG:HD3	1:114:B:ILE:HA	7	0.22
(1,1304)	1:113:B:ARG:HD2	1:114:B:ILE:HA	17	0.22
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD11	18	0.22
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD12	18	0.22
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD13	18	0.22
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD11	18	0.22
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD12	18	0.22
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD13	18	0.22
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD11	18	0.22
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD12	18	0.22
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD13	18	0.22
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	20	0.22
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	20	0.22
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	20	0.22
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	4	0.22
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	4	0.22
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	4	0.22
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	5	0.22
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	5	0.22
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	5	0.22
(1,1178)	1:119:B:LEU:HG	1:126:B:GLU:H	16	0.22
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	13	0.22
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	13	0.22
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	13	0.22
(1,1076)	1:124:B:VAL:HG11	1:115:B:VAL:HA	15	0.22
(1,1076)	1:124:B:VAL:HG12	1:115:B:VAL:HA	15	0.22
(1,1076)	1:124:B:VAL:HG13	1:115:B:VAL:HA	15	0.22
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	6	0.22
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	6	0.22
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	6	0.22
(1,919)	1:133:B:LYS:HB2	1:134:B:ARG:HD3	3	0.22
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	1	0.22
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	6	0.22
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	15	0.22
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	19	0.22
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	2	0.22
(1,589)	1:92:B:ARG:H	1:97:B:VAL:HG11	13	0.22
(1,589)	1:92:B:ARG:H	1:97:B:VAL:HG12	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:92:B:ARG:H	1:97:B:VAL:HG13	13	0.22
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	4	0.22
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	16	0.22
(1,454)	1:70:B:GLY:H	1:68:B:ARG:HB3	14	0.22
(1,408)	1:64:B:LYS:H	1:62:B:SER:HB3	7	0.22
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	13	0.22
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG11	18	0.22
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG12	18	0.22
(1,178)	1:30:B:GLN:HE22	1:27:B:VAL:HG13	18	0.22
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	19	0.22
(3,1894)	1:117:B:LYS:HD3	1:120:B:ALA:H	19	0.21
(3,1785)	1:16:B:HIS:HD2	1:13:B:GLU:HA	18	0.21
(3,1776)	1:17:B:LEU:HD22	1:16:B:HIS:H	10	0.21
(3,1773)	1:17:B:LEU:HD11	1:40:B:LEU:H	5	0.21
(3,1773)	1:17:B:LEU:HD11	1:57:B:MET:H	11	0.21
(3,1686)	1:74:B:VAL:HG12	1:107:B:ALA:HA	4	0.21
(3,1668)	1:32:B:VAL:HG21	1:24:B:ASN:H	5	0.21
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD11	18	0.21
(3,1629)	1:35:B:ALA:HB3	1:30:B:GLN:HG2	9	0.21
(3,1628)	1:35:B:ALA:HB3	1:32:B:VAL:HG22	13	0.21
(3,1623)	1:36:B:ILE:HG23	1:50:B:ILE:HG12	8	0.21
(3,1617)	1:36:B:ILE:HA	1:40:B:LEU:HB3	20	0.21
(3,1610)	1:119:B:LEU:HD21	1:116:B:ASP:H	8	0.21
(3,1601)	1:37:B:LEU:HA	1:50:B:ILE:HD13	16	0.21
(3,1576)	1:40:B:LEU:HD11	1:16:B:HIS:HB3	1	0.21
(3,1557)	1:42:B:THR:HB	1:40:B:LEU:HG	20	0.21
(3,1534)	1:77:B:THR:HG21	1:80:B:GLN:HE21	9	0.21
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD11	6	0.21
(3,1517)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	10	0.21
(3,1517)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	20	0.21
(3,1486)	1:50:B:ILE:HG21	1:34:B:GLU:H	6	0.21
(3,1423)	1:52:B:HIS:HE1	1:56:B:GLN:HG2	12	0.21
(3,1420)	1:52:B:HIS:HD2	1:48:B:LYS:HG3	8	0.21
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD23	19	0.21
(3,1390)	1:54:B:LEU:HD21	1:21:B:TYR:HD1	14	0.21
(3,1376)	1:54:B:LEU:HD13	1:60:B:ALA:HB3	9	0.21
(3,1358)	1:55:B:VAL:HG12	1:54:B:LEU:HG	12	0.21
(3,1341)	1:57:B:MET:HE3	1:18:B:ARG:H	6	0.21
(3,1338)	1:57:B:MET:HE2	1:57:B:MET:HB3	14	0.21
(3,1312)	1:37:B:LEU:HD23	1:37:B:LEU:HG	4	0.21
(3,1312)	1:37:B:LEU:HD23	1:37:B:LEU:HG	5	0.21
(3,1312)	1:37:B:LEU:HD21	1:37:B:LEU:HG	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1312)	1:37:B:LEU:HD21	1:37:B:LEU:HG	16	0.21
(3,1286)	1:31:B:ASP:HB2	1:30:B:GLN:HB3	12	0.21
(3,1259)	1:79:B:ASP:HA	1:82:B:LEU:HD11	1	0.21
(3,1234)	1:46:B:THR:HG21	1:47:B:ARG:HD3	13	0.21
(3,1229)	1:71:B:THR:HA	1:73:B:ILE:HB	3	0.21
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	8	0.21
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	13	0.21
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG13	17	0.21
(3,1203)	1:73:B:ILE:HD12	1:72:B:HIS:HD2	10	0.21
(3,1184)	1:74:B:VAL:HG22	1:107:B:ALA:HB3	16	0.21
(3,1182)	1:74:B:VAL:HG22	1:109:B:ARG:HB2	16	0.21
(3,1173)	1:74:B:VAL:HG12	1:74:B:VAL:HB	2	0.21
(3,1173)	1:74:B:VAL:HG13	1:74:B:VAL:HB	11	0.21
(3,1173)	1:74:B:VAL:HG11	1:74:B:VAL:HB	13	0.21
(3,1173)	1:74:B:VAL:HG13	1:74:B:VAL:HB	17	0.21
(3,1132)	1:72:B:HIS:HB2	1:73:B:ILE:HG12	11	0.21
(3,1051)	1:98:B:LEU:HG	1:98:B:LEU:HD22	4	0.21
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD23	10	0.21
(3,968)	1:48:B:LYS:HG3	1:52:B:HIS:HD2	8	0.21
(3,963)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	3	0.21
(3,963)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	11	0.21
(3,963)	1:133:B:LYS:HG3	1:133:B:LYS:HD2	19	0.21
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG13	18	0.21
(3,939)	1:97:B:VAL:HG23	1:92:B:ARG:H	1	0.21
(3,934)	1:97:B:VAL:HG22	1:118:B:LEU:HD11	7	0.21
(3,927)	1:97:B:VAL:HG11	1:98:B:LEU:HG	5	0.21
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	3	0.21
(3,914)	1:37:B:LEU:HD12	1:49:B:GLN:H	14	0.21
(3,899)	1:98:B:LEU:HD22	1:98:B:LEU:HG	4	0.21
(3,899)	1:98:B:LEU:HD22	1:98:B:LEU:HG	11	0.21
(3,899)	1:37:B:LEU:HD13	1:37:B:LEU:HG	13	0.21
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG12	4	0.21
(3,797)	1:133:B:LYS:HG3	1:135:B:GLN:HG2	18	0.21
(3,790)	1:109:B:ARG:HD2	1:84:B:LEU:HD11	5	0.21
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD23	20	0.21
(3,719)	1:27:B:VAL:HG12	1:30:B:GLN:HE22	18	0.21
(3,715)	1:33:B:VAL:HG21	1:34:B:GLU:H	9	0.21
(3,714)	1:97:B:VAL:HG23	1:89:B:GLU:H	14	0.21
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	3	0.21
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG21	6	0.21
(3,676)	1:115:B:VAL:HB	1:115:B:VAL:HG23	12	0.21
(3,631)	1:119:B:LEU:HD13	1:128:B:ARG:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,631)	1:119:B:LEU:HD11	1:128:B:ARG:H	19	0.21
(3,618)	1:119:B:LEU:HD13	1:119:B:LEU:HD22	3	0.21
(3,618)	1:119:B:LEU:HD13	1:119:B:LEU:HD23	12	0.21
(3,618)	1:119:B:LEU:HD11	1:119:B:LEU:HD21	18	0.21
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD11	7	0.21
(3,591)	1:20:B:LEU:HD21	1:23:B:ALA:H	12	0.21
(3,502)	1:83:B:GLU:HB3	1:82:B:LEU:HB3	8	0.21
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD11	12	0.21
(3,448)	1:128:B:ARG:HD3	1:128:B:ARG:HB2	1	0.21
(3,447)	1:134:B:ARG:HB2	1:135:B:GLN:HG2	20	0.21
(3,438)	1:133:B:LYS:HA	1:133:B:LYS:HB3	11	0.21
(3,438)	1:68:B:ARG:HA	1:68:B:ARG:HB2	18	0.21
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB3	18	0.21
(3,427)	1:136:B:LYS:HA	1:136:B:LYS:HB3	19	0.21
(3,414)	1:137:B:LYS:HG2	1:137:B:LYS:HD3	3	0.21
(3,414)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	11	0.21
(3,414)	1:133:B:LYS:HG3	1:133:B:LYS:HD2	19	0.21
(3,404)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	7	0.21
(3,404)	1:137:B:LYS:HD2	1:137:B:LYS:HE2	15	0.21
(3,404)	1:136:B:LYS:HD3	1:136:B:LYS:HE2	18	0.21
(3,403)	1:137:B:LYS:HD2	1:137:B:LYS:HE2	15	0.21
(3,403)	1:133:B:LYS:HD2	1:133:B:LYS:HE3	18	0.21
(3,400)	1:136:B:LYS:HE2	1:136:B:LYS:HD3	18	0.21
(3,399)	1:133:B:LYS:HE3	1:133:B:LYS:HD2	18	0.21
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	6	0.21
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	12	0.21
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	18	0.21
(3,383)	1:128:B:ARG:HG2	1:128:B:ARG:HB3	2	0.21
(3,383)	1:4:B:ARG:HG3	1:4:B:ARG:HB2	9	0.21
(3,383)	1:5:B:ARG:HG3	1:5:B:ARG:HB3	16	0.21
(3,374)	1:5:B:ARG:HG3	1:5:B:ARG:HD2	4	0.21
(3,374)	1:4:B:ARG:HG3	1:4:B:ARG:HD2	6	0.21
(3,374)	1:4:B:ARG:HG2	1:4:B:ARG:HD2	7	0.21
(3,322)	1:137:B:LYS:H	1:137:B:LYS:HG2	17	0.21
(3,218)	1:99:B:GLY:H	1:102:B:MET:HE1	7	0.21
(3,213)	1:94:B:SER:H	1:100:B:HIS:HD2	5	0.21
(3,147)	1:67:B:GLN:H	1:67:B:GLN:HG3	11	0.21
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	18	0.21
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG21	3	0.21
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	5	0.21
(3,49)	1:23:B:ALA:H	1:22:B:LEU:HD23	8	0.21
(2,57)	1:6:B:ALA:HB1	1:49:B:GLN:HG2	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,57)	1:6:B:ALA:HB2	1:49:B:GLN:HG2	1	0.21
(2,57)	1:6:B:ALA:HB3	1:49:B:GLN:HG2	1	0.21
(2,44)	1:50:B:ILE:HD11	1:40:B:LEU:H	8	0.21
(2,44)	1:50:B:ILE:HD12	1:40:B:LEU:H	8	0.21
(2,44)	1:50:B:ILE:HD13	1:40:B:LEU:H	8	0.21
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	12	0.21
(1,2736)	1:76:B:TRP:HH2	1:114:B:ILE:HG13	11	0.21
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	1	0.21
(1,2699)	1:118:B:LEU:HD11	1:123:B:LEU:HA	2	0.21
(1,2699)	1:118:B:LEU:HD12	1:123:B:LEU:HA	2	0.21
(1,2699)	1:118:B:LEU:HD13	1:123:B:LEU:HA	2	0.21
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG3	11	0.21
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG3	12	0.21
(1,2662)	1:42:B:THR:HG21	1:44:B:PRO:HD2	13	0.21
(1,2662)	1:42:B:THR:HG22	1:44:B:PRO:HD2	13	0.21
(1,2662)	1:42:B:THR:HG23	1:44:B:PRO:HD2	13	0.21
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE2	9	0.21
(1,2638)	1:10:B:SER:HB3	1:11:B:PRO:HG3	18	0.21
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	12	0.21
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	12	0.21
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	12	0.21
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	16	0.21
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	16	0.21
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	16	0.21
(1,2450)	1:61:B:ASP:HB3	1:64:B:LYS:H	11	0.21
(1,2434)	1:32:B:VAL:HG22	1:36:B:ILE:HG13	6	0.21
(1,2362)	1:38:B:ALA:HB1	1:37:B:LEU:HG	1	0.21
(1,2362)	1:38:B:ALA:HB2	1:37:B:LEU:HG	1	0.21
(1,2362)	1:38:B:ALA:HB3	1:37:B:LEU:HG	1	0.21
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	3	0.21
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG21	2	0.21
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG22	2	0.21
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG23	2	0.21
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG21	2	0.21
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG22	2	0.21
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG23	2	0.21
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG21	2	0.21
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG22	2	0.21
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG23	2	0.21
(1,2248)	1:45:B:ARG:HD3	1:9:B:TRP:HH2	10	0.21
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG21	4	0.21
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG22	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:45:B:ARG:HD2	1:46:B:THR:HG23	4	0.21
(1,2196)	1:49:B:GLN:HG2	1:46:B:THR:HG21	15	0.21
(1,2196)	1:49:B:GLN:HG2	1:46:B:THR:HG22	15	0.21
(1,2196)	1:49:B:GLN:HG2	1:46:B:THR:HG23	15	0.21
(1,2116)	1:52:B:HIS:HE1	1:63:B:VAL:HG21	1	0.21
(1,2116)	1:52:B:HIS:HE1	1:63:B:VAL:HG22	1	0.21
(1,2116)	1:52:B:HIS:HE1	1:63:B:VAL:HG23	1	0.21
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	2	0.21
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	2	0.21
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	2	0.21
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	2	0.21
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	2	0.21
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	2	0.21
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	2	0.21
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	2	0.21
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	2	0.21
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	11	0.21
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	17	0.21
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	17	0.21
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	17	0.21
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	9	0.21
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	9	0.21
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	9	0.21
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	6	0.21
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	6	0.21
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	6	0.21
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	16	0.21
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	16	0.21
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	16	0.21
(1,1814)	1:74:B:VAL:HG21	1:113:B:ARG:HD2	5	0.21
(1,1814)	1:74:B:VAL:HG22	1:113:B:ARG:HD2	5	0.21
(1,1814)	1:74:B:VAL:HG23	1:113:B:ARG:HD2	5	0.21
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD1	6	0.21
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD2	6	0.21
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	3	0.21
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	1	0.21
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	9	0.21
(1,1509)	1:98:B:LEU:HD21	1:101:B:ILE:H	17	0.21
(1,1509)	1:98:B:LEU:HD22	1:101:B:ILE:H	17	0.21
(1,1509)	1:98:B:LEU:HD23	1:101:B:ILE:H	17	0.21
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	6	0.21
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	6	0.21
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	14	0.21
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	14	0.21
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	14	0.21
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD2	2	0.21
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD2	5	0.21
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	9	0.21
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	10	0.21
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	5	0.21
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	12	0.21
(1,1414)	1:103:B:LYS:HD3	1:103:B:LYS:HG2	14	0.21
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	3	0.21
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	9	0.21
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	10	0.21
(1,1357)	1:108:B:LYS:HB2	1:105:B:ILE:HG21	17	0.21
(1,1310)	1:110:B:SER:HA	1:102:B:MET:HG2	6	0.21
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD21	20	0.21
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD22	20	0.21
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD23	20	0.21
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD21	20	0.21
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD22	20	0.21
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD23	20	0.21
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD21	20	0.21
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD22	20	0.21
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD23	20	0.21
(1,1271)	1:114:B:ILE:HG12	1:76:B:TRP:HH2	3	0.21
(1,1263)	1:114:B:ILE:HG21	1:84:B:LEU:HD21	8	0.21
(1,1263)	1:114:B:ILE:HG21	1:84:B:LEU:HD22	8	0.21
(1,1263)	1:114:B:ILE:HG21	1:84:B:LEU:HD23	8	0.21
(1,1263)	1:114:B:ILE:HG22	1:84:B:LEU:HD21	8	0.21
(1,1263)	1:114:B:ILE:HG22	1:84:B:LEU:HD22	8	0.21
(1,1263)	1:114:B:ILE:HG22	1:84:B:LEU:HD23	8	0.21
(1,1263)	1:114:B:ILE:HG23	1:84:B:LEU:HD21	8	0.21
(1,1263)	1:114:B:ILE:HG23	1:84:B:LEU:HD22	8	0.21
(1,1263)	1:114:B:ILE:HG23	1:84:B:LEU:HD23	8	0.21
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG11	3	0.21
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG12	3	0.21
(1,1212)	1:115:B:VAL:HB	1:124:B:VAL:HG13	3	0.21
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG11	13	0.21
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG12	13	0.21
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG13	13	0.21
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	2	0.21
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	2	0.21
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	1	0.21
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	1	0.21
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	5	0.21
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	5	0.21
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	5	0.21
(1,872)	1:82:B:LEU:HD21	1:86:B:ARG:H	18	0.21
(1,872)	1:82:B:LEU:HD22	1:86:B:ARG:H	18	0.21
(1,872)	1:82:B:LEU:HD23	1:86:B:ARG:H	18	0.21
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	2	0.21
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	2	0.21
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	2	0.21
(1,692)	1:110:B:SER:H	1:109:B:ARG:HB2	3	0.21
(1,662)	1:106:B:THR:H	1:105:B:ILE:HG13	1	0.21
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	5	0.21
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	17	0.21
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	13	0.21
(1,449)	1:68:B:ARG:H	1:67:B:GLN:HB3	14	0.21
(1,429)	1:67:B:GLN:H	1:64:B:LYS:HA	11	0.21
(1,252)	1:40:B:LEU:H	1:40:B:LEU:HB3	16	0.21
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	12	0.21
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	12	0.21
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	12	0.21
(1,75)	1:16:B:HIS:H	1:17:B:LEU:HD11	11	0.21
(1,75)	1:16:B:HIS:H	1:17:B:LEU:HD12	11	0.21
(1,75)	1:16:B:HIS:H	1:17:B:LEU:HD13	11	0.21
(1,6)	1:4:B:ARG:H	1:4:B:ARG:HB2	4	0.21
(1,3)	1:102:B:MET:H	1:102:B:MET:HG3	15	0.21
(3,1911)	1:109:B:ARG:HD2	1:110:B:SER:H	14	0.2
(3,1873)	1:118:B:LEU:HD13	1:119:B:LEU:HA	6	0.2
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	2	0.2
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	14	0.2
(3,1680)	1:122:B:GLY:HA3	1:124:B:VAL:HG23	7	0.2
(3,1673)	1:32:B:VAL:HB	1:66:B:PHE:HD2	19	0.2
(3,1663)	1:32:B:VAL:HG13	1:33:B:VAL:HG22	4	0.2
(3,1628)	1:35:B:ALA:HB1	1:32:B:VAL:HG23	1	0.2
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	2	0.2
(3,1551)	1:43:B:VAL:HG23	1:9:B:TRP:HE3	17	0.2
(3,1528)	1:46:B:THR:HB	1:48:B:LYS:HG3	9	0.2
(3,1528)	1:46:B:THR:HB	1:45:B:ARG:HG2	13	0.2
(3,1517)	1:5:B:ARG:HB3	1:5:B:ARG:HG2	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1517)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	19	0.2
(3,1439)	1:51:B:ILE:HD11	1:47:B:ARG:HD3	11	0.2
(3,1435)	1:51:B:ILE:HG22	1:48:B:LYS:HG2	5	0.2
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD21	16	0.2
(3,1390)	1:54:B:LEU:HD23	1:21:B:TYR:HD2	15	0.2
(3,1386)	1:54:B:LEU:HD21	1:17:B:LEU:HD23	3	0.2
(3,1346)	1:56:B:GLN:HG3	1:56:B:GLN:HB3	6	0.2
(3,1326)	1:58:B:GLY:HA2	1:55:B:VAL:HG21	15	0.2
(3,1312)	1:37:B:LEU:HD23	1:37:B:LEU:HG	8	0.2
(3,1267)	1:64:B:LYS:HG3	1:63:B:VAL:HG21	16	0.2
(3,1178)	1:27:B:VAL:HG23	1:30:B:GLN:HE21	19	0.2
(3,1173)	1:74:B:VAL:HG12	1:74:B:VAL:HB	1	0.2
(3,1173)	1:74:B:VAL:HG12	1:74:B:VAL:HB	7	0.2
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	12	0.2
(3,1134)	1:52:B:HIS:HB3	1:48:B:LYS:HG3	3	0.2
(3,1134)	1:52:B:HIS:HB3	1:48:B:LYS:HG3	4	0.2
(3,1064)	1:85:B:GLN:HG2	1:84:B:LEU:HG	4	0.2
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD13	6	0.2
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD12	7	0.2
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD23	8	0.2
(3,963)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	6	0.2
(3,963)	1:132:B:LYS:HG2	1:132:B:LYS:HD3	12	0.2
(3,963)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	13	0.2
(3,915)	1:98:B:LEU:HD22	1:115:B:VAL:H	11	0.2
(3,900)	1:37:B:LEU:HD11	1:37:B:LEU:HB2	18	0.2
(3,899)	1:37:B:LEU:HD13	1:37:B:LEU:HG	6	0.2
(3,899)	1:37:B:LEU:HD12	1:37:B:LEU:HG	7	0.2
(3,899)	1:98:B:LEU:HD21	1:98:B:LEU:HG	17	0.2
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB3	2	0.2
(3,846)	1:19:B:GLU:HA	1:22:B:LEU:HB3	15	0.2
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB1	20	0.2
(3,749)	1:114:B:ILE:HD13	1:118:B:LEU:HD21	18	0.2
(3,747)	1:114:B:ILE:HD12	1:105:B:ILE:HG12	18	0.2
(3,713)	1:22:B:LEU:HD22	1:22:B:LEU:H	2	0.2
(3,713)	1:22:B:LEU:HD22	1:22:B:LEU:H	9	0.2
(3,712)	1:87:B:LEU:HD13	1:103:B:LYS:H	7	0.2
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG22	9	0.2
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG21	14	0.2
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG21	18	0.2
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG21	19	0.2
(3,670)	1:115:B:VAL:HA	1:130:B:LEU:HD12	17	0.2
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD21	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,630)	1:37:B:LEU:HD21	1:47:B:ARG:HA	8	0.2
(3,624)	1:37:B:LEU:HD23	1:47:B:ARG:HD2	10	0.2
(3,618)	1:119:B:LEU:HD12	1:124:B:VAL:HG21	20	0.2
(3,609)	1:112:B:ALA:HB3	1:115:B:VAL:HB	8	0.2
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD11	5	0.2
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD11	14	0.2
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD13	18	0.2
(3,593)	1:84:B:LEU:HD23	1:114:B:ILE:HG23	20	0.2
(3,572)	1:55:B:VAL:HG23	1:57:B:MET:H	8	0.2
(3,551)	1:124:B:VAL:HG13	1:124:B:VAL:HG23	4	0.2
(3,525)	1:126:B:GLU:HG2	1:124:B:VAL:HA	14	0.2
(3,475)	1:48:B:LYS:HD2	1:48:B:LYS:HG3	3	0.2
(3,475)	1:132:B:LYS:HD2	1:132:B:LYS:HG3	6	0.2
(3,475)	1:132:B:LYS:HD3	1:132:B:LYS:HG2	12	0.2
(3,475)	1:48:B:LYS:HD2	1:48:B:LYS:HG3	18	0.2
(3,438)	1:134:B:ARG:HA	1:134:B:ARG:HB3	3	0.2
(3,406)	1:133:B:LYS:HD2	1:133:B:LYS:HA	13	0.2
(3,404)	1:132:B:LYS:HD3	1:132:B:LYS:HE2	2	0.2
(3,404)	1:136:B:LYS:HD3	1:136:B:LYS:HE2	3	0.2
(3,403)	1:132:B:LYS:HD3	1:132:B:LYS:HE2	2	0.2
(3,403)	1:136:B:LYS:HD3	1:136:B:LYS:HE2	3	0.2
(3,400)	1:136:B:LYS:HE2	1:136:B:LYS:HD3	3	0.2
(3,400)	1:137:B:LYS:HE2	1:137:B:LYS:HD3	20	0.2
(3,399)	1:136:B:LYS:HE2	1:136:B:LYS:HD3	3	0.2
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	10	0.2
(3,383)	1:4:B:ARG:HG3	1:4:B:ARG:HB2	8	0.2
(3,383)	1:128:B:ARG:HG2	1:128:B:ARG:HB3	15	0.2
(3,374)	1:4:B:ARG:HG3	1:4:B:ARG:HD2	9	0.2
(3,374)	1:4:B:ARG:HG2	1:4:B:ARG:HD3	14	0.2
(3,357)	1:98:B:LEU:HD11	1:114:B:ILE:H	17	0.2
(3,354)	1:82:B:LEU:HD21	1:83:B:GLU:H	5	0.2
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD11	8	0.2
(3,255)	1:116:B:ASP:H	1:117:B:LYS:HB3	5	0.2
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG21	14	0.2
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	3	0.2
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	7	0.2
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	13	0.2
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	19	0.2
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	1	0.2
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	11	0.2
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	14	0.2
(2,15)	1:111:B:ARG:HE	1:101:B:ILE:HB	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:68:B:ARG:H	1:64:B:LYS:HB3	3	0.2
(1,2747)	1:76:B:TRP:HZ3	1:114:B:ILE:HG12	17	0.2
(1,2703)	1:118:B:LEU:HD11	1:85:B:GLN:HB2	17	0.2
(1,2703)	1:118:B:LEU:HD12	1:85:B:GLN:HB2	17	0.2
(1,2703)	1:118:B:LEU:HD13	1:85:B:GLN:HB2	17	0.2
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG2	16	0.2
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	17	0.2
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	17	0.2
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	17	0.2
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	18	0.2
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	18	0.2
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	18	0.2
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	11	0.2
(1,2338)	1:40:B:LEU:HD11	1:9:B:TRP:HZ3	4	0.2
(1,2338)	1:40:B:LEU:HD12	1:9:B:TRP:HZ3	4	0.2
(1,2338)	1:40:B:LEU:HD13	1:9:B:TRP:HZ3	4	0.2
(1,2338)	1:40:B:LEU:HD11	1:9:B:TRP:HZ3	12	0.2
(1,2338)	1:40:B:LEU:HD12	1:9:B:TRP:HZ3	12	0.2
(1,2338)	1:40:B:LEU:HD13	1:9:B:TRP:HZ3	12	0.2
(1,2335)	1:40:B:LEU:HD13	1:13:B:GLU:HG3	2	0.2
(1,2294)	1:43:B:VAL:HG11	1:44:B:PRO:HD2	15	0.2
(1,2294)	1:43:B:VAL:HG12	1:44:B:PRO:HD2	15	0.2
(1,2294)	1:43:B:VAL:HG13	1:44:B:PRO:HD2	15	0.2
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG11	2	0.2
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG12	2	0.2
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG13	2	0.2
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD11	10	0.2
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD12	10	0.2
(1,2216)	1:127:B:ARG:HG2	1:119:B:LEU:HD13	10	0.2
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	2	0.2
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	12	0.2
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	14	0.2
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	17	0.2
(1,2048)	1:56:B:GLN:HG3	1:56:B:GLN:HB2	19	0.2
(1,2030)	1:57:B:MET:HE1	1:59:B:LEU:HA	2	0.2
(1,2030)	1:57:B:MET:HE2	1:59:B:LEU:HA	2	0.2
(1,2030)	1:57:B:MET:HE3	1:59:B:LEU:HA	2	0.2
(1,2029)	1:57:B:MET:HE1	1:18:B:ARG:HD3	13	0.2
(1,2029)	1:57:B:MET:HE2	1:18:B:ARG:HD3	13	0.2
(1,2029)	1:57:B:MET:HE3	1:18:B:ARG:HD3	13	0.2
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	14	0.2
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	14	0.2
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	15	0.2
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	15	0.2
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	15	0.2
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	16	0.2
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	16	0.2
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	16	0.2
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD1	17	0.2
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	7	0.2
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	7	0.2
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	7	0.2
(1,1920)	1:30:B:GLN:HB3	1:30:B:GLN:HE21	4	0.2
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	9	0.2
(1,1808)	1:74:B:VAL:HG12	1:75:B:LEU:HG	17	0.2
(1,1788)	1:76:B:TRP:HB2	1:80:B:GLN:HB2	13	0.2
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD1	2	0.2
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD2	2	0.2
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	6	0.2
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG11	6	0.2
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG12	6	0.2
(1,1538)	1:95:B:ASP:HA	1:97:B:VAL:HG13	6	0.2
(1,1511)	1:37:B:LEU:HB3	1:36:B:ILE:H	3	0.2
(1,1509)	1:98:B:LEU:HD21	1:101:B:ILE:H	18	0.2
(1,1509)	1:98:B:LEU:HD22	1:101:B:ILE:H	18	0.2
(1,1509)	1:98:B:LEU:HD23	1:101:B:ILE:H	18	0.2
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD11	4	0.2
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD12	4	0.2
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD13	4	0.2
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	18	0.2
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	18	0.2
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	18	0.2
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	13	0.2
(1,1426)	1:31:B:ASP:HB3	1:34:B:GLU:H	20	0.2
(1,1414)	1:103:B:LYS:HD3	1:103:B:LYS:HG2	2	0.2
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	17	0.2
(1,1311)	1:110:B:SER:HA	1:102:B:MET:HG3	4	0.2
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	9	0.2
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	9	0.2
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	9	0.2
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG3	5	0.2
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG3	5	0.2
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG3	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG3	19	0.2
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG3	19	0.2
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG3	19	0.2
(1,1138)	1:121:B:LEU:HD11	1:85:B:GLN:HB2	10	0.2
(1,1138)	1:121:B:LEU:HD11	1:85:B:GLN:HB2	12	0.2
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	7	0.2
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	7	0.2
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	7	0.2
(1,1076)	1:124:B:VAL:HG11	1:115:B:VAL:HA	16	0.2
(1,1076)	1:124:B:VAL:HG12	1:115:B:VAL:HA	16	0.2
(1,1076)	1:124:B:VAL:HG13	1:115:B:VAL:HA	16	0.2
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	7	0.2
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	7	0.2
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	7	0.2
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	13	0.2
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	13	0.2
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	13	0.2
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	20	0.2
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	20	0.2
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	20	0.2
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	2	0.2
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	2	0.2
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	2	0.2
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	2	0.2
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	2	0.2
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	2	0.2
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	2	0.2
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	2	0.2
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	2	0.2
(1,962)	1:131:B:TYR:HD1	1:115:B:VAL:HG11	12	0.2
(1,962)	1:131:B:TYR:HD1	1:115:B:VAL:HG12	12	0.2
(1,962)	1:131:B:TYR:HD1	1:115:B:VAL:HG13	12	0.2
(1,962)	1:131:B:TYR:HD2	1:115:B:VAL:HG11	12	0.2
(1,962)	1:131:B:TYR:HD2	1:115:B:VAL:HG12	12	0.2
(1,962)	1:131:B:TYR:HD2	1:115:B:VAL:HG13	12	0.2
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	15	0.2
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	15	0.2
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	15	0.2
(1,896)	1:82:B:LEU:HD11	1:86:B:ARG:HD3	16	0.2
(1,896)	1:82:B:LEU:HD12	1:86:B:ARG:HD3	16	0.2
(1,896)	1:82:B:LEU:HD13	1:86:B:ARG:HD3	16	0.2
(1,859)	1:63:B:VAL:HA	1:66:B:PHE:HD1	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:63:B:VAL:HA	1:66:B:PHE:HD2	10	0.2
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	3	0.2
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	3	0.2
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	3	0.2
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	1	0.2
(1,474)	1:75:B:LEU:H	1:75:B:LEU:HG	11	0.2
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	7	0.2
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	7	0.2
(1,290)	1:46:B:THR:H	1:50:B:ILE:H	20	0.2
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	3	0.2
(1,25)	1:8:B:THR:H	1:8:B:THR:HG21	6	0.2
(1,25)	1:8:B:THR:H	1:8:B:THR:HG22	6	0.2
(1,25)	1:8:B:THR:H	1:8:B:THR:HG23	6	0.2
(3,1873)	1:118:B:LEU:HD11	1:119:B:LEU:HA	4	0.19
(3,1862)	1:6:B:ALA:HA	1:5:B:ARG:HB3	9	0.19
(3,1833)	1:9:B:TRP:HD1	1:49:B:GLN:HB3	10	0.19
(3,1801)	1:15:B:ALA:HB2	1:14:B:GLU:HB2	12	0.19
(3,1801)	1:15:B:ALA:HB1	1:14:B:GLU:HB2	20	0.19
(3,1793)	1:16:B:HIS:HD2	1:20:B:LEU:HB3	11	0.19
(3,1735)	1:21:B:TYR:HE2	1:36:B:ILE:HD12	1	0.19
(3,1628)	1:35:B:ALA:HB3	1:32:B:VAL:HG23	19	0.19
(3,1601)	1:37:B:LEU:HA	1:50:B:ILE:HD11	9	0.19
(3,1589)	1:16:B:HIS:HE1	1:20:B:LEU:HG	14	0.19
(3,1557)	1:42:B:THR:HB	1:40:B:LEU:HB2	14	0.19
(3,1551)	1:43:B:VAL:HG23	1:9:B:TRP:HE3	15	0.19
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	7	0.19
(3,1502)	1:133:B:LYS:HB3	1:134:B:ARG:HD2	17	0.19
(3,1499)	1:48:B:LYS:HA	1:48:B:LYS:HG3	2	0.19
(3,1474)	1:50:B:ILE:HD12	1:43:B:VAL:H	4	0.19
(3,1462)	1:50:B:ILE:HG21	1:50:B:ILE:HG13	17	0.19
(3,1453)	1:51:B:ILE:HD12	1:34:B:GLU:H	20	0.19
(3,1439)	1:51:B:ILE:HD12	1:52:B:HIS:HB2	18	0.19
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD22	12	0.19
(3,1388)	1:54:B:LEU:HD23	1:56:B:GLN:H	17	0.19
(3,1384)	1:54:B:LEU:HD21	1:60:B:ALA:HB2	6	0.19
(3,1341)	1:57:B:MET:HE3	1:18:B:ARG:H	12	0.19
(3,1185)	1:73:B:ILE:HD12	1:109:B:ARG:HD3	7	0.19
(3,1184)	1:74:B:VAL:HG22	1:107:B:ALA:HB1	14	0.19
(3,1182)	1:74:B:VAL:HG22	1:109:B:ARG:HB2	6	0.19
(3,1178)	1:27:B:VAL:HG21	1:30:B:GLN:HE21	2	0.19
(3,1174)	1:74:B:VAL:HG13	1:75:B:LEU:HG	13	0.19
(3,1173)	1:74:B:VAL:HG13	1:74:B:VAL:HB	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1152)	1:76:B:TRP:HB3	1:78:B:GLY:HA2	19	0.19
(3,1149)	1:52:B:HIS:HB3	1:50:B:ILE:HA	5	0.19
(3,1102)	1:19:B:GLU:HG2	1:19:B:GLU:H	17	0.19
(3,1102)	1:19:B:GLU:HG2	1:19:B:GLU:H	19	0.19
(3,1051)	1:98:B:LEU:HG	1:98:B:LEU:HD13	5	0.19
(3,1051)	1:98:B:LEU:HG	1:98:B:LEU:HD13	17	0.19
(3,1051)	1:98:B:LEU:HG	1:98:B:LEU:HD22	19	0.19
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD11	20	0.19
(3,1050)	1:82:B:LEU:HG	1:83:B:GLU:HG3	13	0.19
(3,1036)	1:20:B:LEU:HD12	1:19:B:GLU:HG3	13	0.19
(3,983)	1:66:B:PHE:HZ	1:33:B:VAL:HG23	5	0.19
(3,963)	1:133:B:LYS:HG2	1:133:B:LYS:HD3	2	0.19
(3,963)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	8	0.19
(3,916)	1:37:B:LEU:HD12	1:51:B:ILE:H	7	0.19
(3,899)	1:37:B:LEU:HD11	1:37:B:LEU:HG	12	0.19
(3,899)	1:98:B:LEU:HD22	1:98:B:LEU:HG	19	0.19
(3,899)	1:37:B:LEU:HD11	1:37:B:LEU:HG	20	0.19
(3,864)	1:105:B:ILE:HD12	1:80:B:GLN:HG3	5	0.19
(3,862)	1:101:B:ILE:HD12	1:98:B:LEU:HB3	5	0.19
(3,748)	1:114:B:ILE:HD11	1:109:B:ARG:HB3	1	0.19
(3,747)	1:114:B:ILE:HD11	1:105:B:ILE:HG12	10	0.19
(3,722)	1:27:B:VAL:HG12	1:30:B:GLN:HE21	4	0.19
(3,693)	1:33:B:VAL:HG21	1:37:B:LEU:HG	9	0.19
(3,676)	1:63:B:VAL:HB	1:63:B:VAL:HG11	16	0.19
(3,676)	1:115:B:VAL:HB	1:115:B:VAL:HG21	20	0.19
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD23	7	0.19
(3,618)	1:119:B:LEU:HD11	1:119:B:LEU:HD21	16	0.19
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD11	6	0.19
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD13	9	0.19
(3,560)	1:123:B:LEU:HD22	1:88:B:PHE:HB2	4	0.19
(3,559)	1:84:B:LEU:HD23	1:115:B:VAL:HA	7	0.19
(3,558)	1:84:B:LEU:HD21	1:118:B:LEU:HA	12	0.19
(3,551)	1:124:B:VAL:HG11	1:124:B:VAL:HG23	8	0.19
(3,537)	1:125:B:ALA:HB3	1:126:B:GLU:HG3	12	0.19
(3,491)	1:130:B:LEU:HD11	1:116:B:ASP:H	14	0.19
(3,475)	1:133:B:LYS:HD3	1:133:B:LYS:HG2	2	0.19
(3,475)	1:132:B:LYS:HD2	1:132:B:LYS:HG3	8	0.19
(3,475)	1:48:B:LYS:HD2	1:48:B:LYS:HG3	11	0.19
(3,475)	1:48:B:LYS:HD2	1:48:B:LYS:HG3	13	0.19
(3,448)	1:86:B:ARG:HD3	1:86:B:ARG:HG2	10	0.19
(3,441)	1:67:B:GLN:HG3	1:63:B:VAL:HG22	20	0.19
(3,438)	1:134:B:ARG:HA	1:134:B:ARG:HB2	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,438)	1:134:B:ARG:HA	1:134:B:ARG:HB3	5	0.19
(3,438)	1:134:B:ARG:HA	1:134:B:ARG:HB2	10	0.19
(3,438)	1:68:B:ARG:HA	1:68:B:ARG:HB2	13	0.19
(3,438)	1:133:B:LYS:HA	1:133:B:LYS:HB3	20	0.19
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB2	4	0.19
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB2	6	0.19
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB3	8	0.19
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB2	16	0.19
(3,415)	1:137:B:LYS:HB3	1:137:B:LYS:HG2	19	0.19
(3,404)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	5	0.19
(3,404)	1:133:B:LYS:HD3	1:133:B:LYS:HE2	8	0.19
(3,404)	1:137:B:LYS:HD3	1:137:B:LYS:HE2	9	0.19
(3,404)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	14	0.19
(3,404)	1:133:B:LYS:HD2	1:133:B:LYS:HE2	17	0.19
(3,403)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	5	0.19
(3,403)	1:133:B:LYS:HD2	1:133:B:LYS:HE3	13	0.19
(3,403)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	14	0.19
(3,403)	1:133:B:LYS:HD2	1:133:B:LYS:HE2	17	0.19
(3,403)	1:133:B:LYS:HD2	1:133:B:LYS:HE3	19	0.19
(3,400)	1:48:B:LYS:HE2	1:48:B:LYS:HD3	15	0.19
(3,399)	1:132:B:LYS:HE3	1:132:B:LYS:HD2	5	0.19
(3,399)	1:133:B:LYS:HE3	1:133:B:LYS:HD2	13	0.19
(3,399)	1:48:B:LYS:HE2	1:48:B:LYS:HD3	15	0.19
(3,399)	1:133:B:LYS:HE2	1:133:B:LYS:HD2	17	0.19
(3,399)	1:133:B:LYS:HE3	1:133:B:LYS:HD2	19	0.19
(3,375)	1:128:B:ARG:HG2	1:128:B:ARG:HD2	8	0.19
(3,375)	1:5:B:ARG:HG2	1:5:B:ARG:HD3	15	0.19
(3,374)	1:134:B:ARG:HG3	1:134:B:ARG:HD2	11	0.19
(3,374)	1:134:B:ARG:HG3	1:134:B:ARG:HD3	16	0.19
(3,366)	1:40:B:LEU:HD21	1:40:B:LEU:HA	17	0.19
(3,361)	1:82:B:LEU:HD13	1:85:B:GLN:H	15	0.19
(3,361)	1:82:B:LEU:HD13	1:85:B:GLN:H	16	0.19
(3,357)	1:98:B:LEU:HD12	1:114:B:ILE:H	15	0.19
(3,270)	1:118:B:LEU:H	1:114:B:ILE:HG22	10	0.19
(3,189)	1:85:B:GLN:HE21	1:123:B:LEU:HD21	10	0.19
(3,179)	1:83:B:GLU:H	1:82:B:LEU:HB3	10	0.19
(3,175)	1:82:B:LEU:H	1:81:B:GLU:HB2	4	0.19
(3,161)	1:76:B:TRP:HE1	1:113:B:ARG:HG2	5	0.19
(3,108)	1:53:B:HIS:H	1:54:B:LEU:HB3	10	0.19
(3,103)	1:52:B:HIS:H	1:50:B:ILE:HG21	12	0.19
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	11	0.19
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	16	0.19
(2,16)	1:3:B:SER:HB3	1:44:B:PRO:HA	17	0.19
(2,11)	1:110:B:SER:H	1:74:B:VAL:HB	6	0.19
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	7	0.19
(1,2710)	1:87:B:LEU:HD11	1:104:B:ASN:HB2	20	0.19
(1,2710)	1:87:B:LEU:HD12	1:104:B:ASN:HB2	20	0.19
(1,2710)	1:87:B:LEU:HD13	1:104:B:ASN:HB2	20	0.19
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	19	0.19
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	19	0.19
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	19	0.19
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	8	0.19
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	8	0.19
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	8	0.19
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	20	0.19
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	20	0.19
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	20	0.19
(1,2552)	1:17:B:LEU:HD11	1:40:B:LEU:HG	14	0.19
(1,2450)	1:61:B:ASP:HB3	1:64:B:LYS:H	19	0.19
(1,2296)	1:43:B:VAL:HG21	1:44:B:PRO:HD2	16	0.19
(1,2296)	1:43:B:VAL:HG22	1:44:B:PRO:HD2	16	0.19
(1,2296)	1:43:B:VAL:HG23	1:44:B:PRO:HD2	16	0.19
(1,2278)	1:43:B:VAL:HG21	1:45:B:ARG:HB3	18	0.19
(1,2278)	1:43:B:VAL:HG22	1:45:B:ARG:HB3	18	0.19
(1,2278)	1:43:B:VAL:HG23	1:45:B:ARG:HB3	18	0.19
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	3	0.19
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	3	0.19
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	3	0.19
(1,2241)	1:45:B:ARG:HD3	1:53:B:HIS:HD2	6	0.19
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD11	1	0.19
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD12	1	0.19
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD13	1	0.19
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	6	0.19
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	6	0.19
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	6	0.19
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	20	0.19
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	12	0.19
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	12	0.19
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	12	0.19
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	12	0.19
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	12	0.19
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	12	0.19
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	18	0.19
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	18	0.19
(1,1966)	1:60:B:ALA:HB1	1:54:B:LEU:HD11	12	0.19
(1,1966)	1:60:B:ALA:HB1	1:54:B:LEU:HD12	12	0.19
(1,1966)	1:60:B:ALA:HB1	1:54:B:LEU:HD13	12	0.19
(1,1966)	1:60:B:ALA:HB2	1:54:B:LEU:HD11	12	0.19
(1,1966)	1:60:B:ALA:HB2	1:54:B:LEU:HD12	12	0.19
(1,1966)	1:60:B:ALA:HB2	1:54:B:LEU:HD13	12	0.19
(1,1966)	1:60:B:ALA:HB3	1:54:B:LEU:HD11	12	0.19
(1,1966)	1:60:B:ALA:HB3	1:54:B:LEU:HD12	12	0.19
(1,1966)	1:60:B:ALA:HB3	1:54:B:LEU:HD13	12	0.19
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	13	0.19
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	13	0.19
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	13	0.19
(1,1923)	1:64:B:LYS:HB3	1:63:B:VAL:H	9	0.19
(1,1848)	1:73:B:ILE:HD11	1:71:B:THR:HA	10	0.19
(1,1848)	1:73:B:ILE:HD12	1:71:B:THR:HA	10	0.19
(1,1848)	1:73:B:ILE:HD13	1:71:B:THR:HA	10	0.19
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD1	11	0.19
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD2	11	0.19
(1,1690)	1:20:B:LEU:HD11	1:24:B:ASN:HB2	1	0.19
(1,1690)	1:20:B:LEU:HD12	1:24:B:ASN:HB2	1	0.19
(1,1690)	1:20:B:LEU:HD13	1:24:B:ASN:HB2	1	0.19
(1,1620)	1:90:B:GLU:HG2	1:91:B:PHE:HD1	3	0.19
(1,1620)	1:90:B:GLU:HG2	1:91:B:PHE:HD2	3	0.19
(1,1541)	1:95:B:ASP:HA	1:132:B:LYS:HD3	11	0.19
(1,1509)	1:98:B:LEU:HD21	1:101:B:ILE:H	15	0.19
(1,1509)	1:98:B:LEU:HD22	1:101:B:ILE:H	15	0.19
(1,1509)	1:98:B:LEU:HD23	1:101:B:ILE:H	15	0.19
(1,1496)	1:98:B:LEU:HB2	1:102:B:MET:HG2	5	0.19
(1,1444)	1:102:B:MET:HG2	1:102:B:MET:H	1	0.19
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	1	0.19
(1,1432)	1:103:B:LYS:HE3	1:103:B:LYS:HD2	3	0.19
(1,1432)	1:103:B:LYS:HE2	1:103:B:LYS:HD3	12	0.19
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	18	0.19
(1,1388)	1:106:B:THR:HG21	1:80:B:GLN:HG2	12	0.19
(1,1388)	1:106:B:THR:HG22	1:80:B:GLN:HG2	12	0.19
(1,1388)	1:106:B:THR:HG23	1:80:B:GLN:HG2	12	0.19
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	7	0.19
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	15	0.19
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	20	0.19
(1,1368)	1:107:B:ALA:HB1	1:108:B:LYS:HE3	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:107:B:ALA:HB2	1:108:B:LYS:HE3	17	0.19
(1,1368)	1:107:B:ALA:HB3	1:108:B:LYS:HE3	17	0.19
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	13	0.19
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	13	0.19
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	13	0.19
(1,1244)	1:87:B:LEU:HD11	1:90:B:GLU:H	10	0.19
(1,1244)	1:87:B:LEU:HD12	1:90:B:GLU:H	10	0.19
(1,1244)	1:87:B:LEU:HD13	1:90:B:GLU:H	10	0.19
(1,1225)	1:63:B:VAL:HG11	1:51:B:ILE:HG21	11	0.19
(1,1225)	1:63:B:VAL:HG11	1:51:B:ILE:HG22	11	0.19
(1,1225)	1:63:B:VAL:HG11	1:51:B:ILE:HG23	11	0.19
(1,1225)	1:63:B:VAL:HG12	1:51:B:ILE:HG21	11	0.19
(1,1225)	1:63:B:VAL:HG12	1:51:B:ILE:HG22	11	0.19
(1,1225)	1:63:B:VAL:HG12	1:51:B:ILE:HG23	11	0.19
(1,1225)	1:63:B:VAL:HG13	1:51:B:ILE:HG21	11	0.19
(1,1225)	1:63:B:VAL:HG13	1:51:B:ILE:HG22	11	0.19
(1,1225)	1:63:B:VAL:HG13	1:51:B:ILE:HG23	11	0.19
(1,1082)	1:124:B:VAL:HG21	1:124:B:VAL:H	5	0.19
(1,1082)	1:124:B:VAL:HG22	1:124:B:VAL:H	5	0.19
(1,1082)	1:124:B:VAL:HG23	1:124:B:VAL:H	5	0.19
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	8	0.19
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	8	0.19
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	8	0.19
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	3	0.19
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	3	0.19
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	3	0.19
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	8	0.19
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	8	0.19
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	8	0.19
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG11	17	0.19
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG12	17	0.19
(1,981)	1:33:B:VAL:HG11	1:32:B:VAL:HG13	17	0.19
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG11	17	0.19
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG12	17	0.19
(1,981)	1:33:B:VAL:HG12	1:32:B:VAL:HG13	17	0.19
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG11	17	0.19
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG12	17	0.19
(1,981)	1:33:B:VAL:HG13	1:32:B:VAL:HG13	17	0.19
(1,954)	1:131:B:TYR:HE1	1:127:B:ARG:HG2	16	0.19
(1,954)	1:131:B:TYR:HE2	1:127:B:ARG:HG2	16	0.19
(1,888)	1:75:B:LEU:HD21	1:75:B:LEU:HA	6	0.19
(1,888)	1:75:B:LEU:HD22	1:75:B:LEU:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:75:B:LEU:HD23	1:75:B:LEU:HA	6	0.19
(1,816)	1:138:B:LEU:H	1:138:B:LEU:HB3	9	0.19
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	19	0.19
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	20	0.19
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	20	0.19
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	20	0.19
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	18	0.19
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	18	0.19
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	18	0.19
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG21	10	0.19
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	5	0.19
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	3	0.19
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	7	0.19
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	13	0.19
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	6	0.19
(1,426)	1:66:B:PHE:H	1:66:B:PHE:HD1	1	0.19
(1,426)	1:66:B:PHE:H	1:66:B:PHE:HD2	1	0.19
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	17	0.19
(1,248)	1:40:B:LEU:H	1:37:B:LEU:HA	7	0.19
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	20	0.19
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	20	0.19
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	20	0.19
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD11	1	0.19
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD12	1	0.19
(1,82)	1:17:B:LEU:H	1:59:B:LEU:HD13	1	0.19
(1,78)	1:17:B:LEU:H	1:17:B:LEU:HB3	10	0.19
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE1	6	0.19
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE2	6	0.19
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE3	6	0.19
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	4	0.19
(1,6)	1:4:B:ARG:H	1:4:B:ARG:HB2	18	0.19
(3,1862)	1:6:B:ALA:HA	1:44:B:PRO:HB2	16	0.18
(3,1851)	1:9:B:TRP:HZ2	1:14:B:GLU:HA	3	0.18
(3,1834)	1:9:B:TRP:HD1	1:8:B:THR:HG21	18	0.18
(3,1793)	1:16:B:HIS:HD2	1:20:B:LEU:HB3	14	0.18
(3,1760)	1:19:B:GLU:HA	1:23:B:ALA:HB2	8	0.18
(3,1738)	1:21:B:TYR:HE1	1:22:B:LEU:H	6	0.18
(3,1683)	1:86:B:ARG:HB3	1:90:B:GLU:HB3	18	0.18
(3,1673)	1:32:B:VAL:HB	1:24:B:ASN:H	14	0.18
(3,1663)	1:32:B:VAL:HG13	1:33:B:VAL:HG22	7	0.18
(3,1635)	1:35:B:ALA:HB3	1:34:B:GLU:H	2	0.18
(3,1628)	1:35:B:ALA:HB1	1:32:B:VAL:HG23	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1622)	1:36:B:ILE:HG21	1:20:B:LEU:HG	7	0.18
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	14	0.18
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	20	0.18
(3,1569)	1:40:B:LEU:HB2	1:37:B:LEU:HA	2	0.18
(3,1566)	1:40:B:LEU:HB3	1:41:B:ASN:HB3	16	0.18
(3,1560)	1:41:B:ASN:HB3	1:40:B:LEU:HB3	16	0.18
(3,1528)	1:46:B:THR:HB	1:48:B:LYS:HG3	11	0.18
(3,1518)	1:127:B:ARG:HG2	1:115:B:VAL:HG23	17	0.18
(3,1517)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	5	0.18
(3,1517)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	12	0.18
(3,1516)	1:127:B:ARG:HB3	1:115:B:VAL:HG12	12	0.18
(3,1499)	1:48:B:LYS:HA	1:48:B:LYS:HG3	20	0.18
(3,1486)	1:50:B:ILE:HG23	1:33:B:VAL:H	8	0.18
(3,1439)	1:51:B:ILE:HD13	1:52:B:HIS:HB2	10	0.18
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	3	0.18
(3,1423)	1:52:B:HIS:HE1	1:63:B:VAL:HB	7	0.18
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD23	17	0.18
(3,1388)	1:54:B:LEU:HD23	1:53:B:HIS:H	19	0.18
(3,1346)	1:30:B:GLN:HG2	1:30:B:GLN:HB3	1	0.18
(3,1346)	1:30:B:GLN:HG2	1:30:B:GLN:HB3	4	0.18
(3,1326)	1:58:B:GLY:HA2	1:55:B:VAL:HG11	1	0.18
(3,1312)	1:37:B:LEU:HD23	1:37:B:LEU:HG	2	0.18
(3,1249)	1:49:B:GLN:HB2	1:48:B:LYS:HE3	12	0.18
(3,1229)	1:71:B:THR:HA	1:73:B:ILE:HB	10	0.18
(3,1214)	1:73:B:ILE:HG12	1:72:B:HIS:HB3	3	0.18
(3,1214)	1:73:B:ILE:HG12	1:72:B:HIS:HB3	6	0.18
(3,1211)	1:73:B:ILE:HB	1:76:B:TRP:HB2	7	0.18
(3,1197)	1:73:B:ILE:HG21	1:73:B:ILE:HA	7	0.18
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG21	7	0.18
(3,1178)	1:27:B:VAL:HG23	1:30:B:GLN:HE21	4	0.18
(3,1173)	1:74:B:VAL:HG13	1:74:B:VAL:HB	3	0.18
(3,1173)	1:74:B:VAL:HG11	1:74:B:VAL:HB	20	0.18
(3,1160)	1:76:B:TRP:HB3	1:74:B:VAL:H	18	0.18
(3,1131)	1:72:B:HIS:HB3	1:73:B:ILE:HG12	3	0.18
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG22	18	0.18
(3,1110)	1:82:B:LEU:HD12	1:81:B:GLU:H	10	0.18
(3,1102)	1:34:B:GLU:HG2	1:34:B:GLU:H	7	0.18
(3,1099)	1:83:B:GLU:HG3	1:105:B:ILE:HG12	17	0.18
(3,1075)	1:17:B:LEU:HD12	1:19:B:GLU:H	13	0.18
(3,1064)	1:85:B:GLN:HG2	1:121:B:LEU:HB3	11	0.18
(3,1052)	1:98:B:LEU:HG	1:84:B:LEU:HD23	14	0.18
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD13	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1051)	1:98:B:LEU:HG	1:98:B:LEU:HD11	3	0.18
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD11	14	0.18
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD11	18	0.18
(3,999)	1:34:B:GLU:HG2	1:47:B:ARG:HB3	15	0.18
(3,994)	1:89:B:GLU:HG2	1:123:B:LEU:HD21	19	0.18
(3,963)	1:132:B:LYS:HG2	1:132:B:LYS:HD3	7	0.18
(3,933)	1:97:B:VAL:HG13	1:88:B:PHE:HB3	1	0.18
(3,929)	1:97:B:VAL:HG13	1:96:B:ASP:HB2	11	0.18
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	2	0.18
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	6	0.18
(3,899)	1:37:B:LEU:HD13	1:37:B:LEU:HG	2	0.18
(3,899)	1:37:B:LEU:HD11	1:37:B:LEU:HG	14	0.18
(3,899)	1:98:B:LEU:HD21	1:98:B:LEU:HG	16	0.18
(3,899)	1:37:B:LEU:HD11	1:37:B:LEU:HG	18	0.18
(3,893)	1:98:B:LEU:HD22	1:118:B:LEU:HD12	14	0.18
(3,810)	1:107:B:ALA:HB2	1:105:B:ILE:HB	14	0.18
(3,793)	1:109:B:ARG:HD3	1:84:B:LEU:HD12	18	0.18
(3,776)	1:73:B:ILE:HG13	1:73:B:ILE:H	17	0.18
(3,725)	1:18:B:ARG:HB2	1:59:B:LEU:HD12	16	0.18
(3,676)	1:63:B:VAL:HB	1:63:B:VAL:HG13	11	0.18
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG22	17	0.18
(3,670)	1:115:B:VAL:HA	1:130:B:LEU:HD13	2	0.18
(3,670)	1:115:B:VAL:HA	1:130:B:LEU:HD12	11	0.18
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD23	7	0.18
(3,659)	1:95:B:ASP:HB3	1:132:B:LYS:HD3	12	0.18
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD13	13	0.18
(3,558)	1:84:B:LEU:HD23	1:118:B:LEU:HA	2	0.18
(3,551)	1:124:B:VAL:HG13	1:124:B:VAL:HG22	9	0.18
(3,551)	1:124:B:VAL:HG12	1:124:B:VAL:HG23	20	0.18
(3,482)	1:14:B:GLU:HG2	1:57:B:MET:HE1	8	0.18
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD12	8	0.18
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	2	0.18
(3,458)	1:25:B:LYS:HE2	1:25:B:LYS:HG2	9	0.18
(3,449)	1:128:B:ARG:HD3	1:128:B:ARG:HG2	16	0.18
(3,448)	1:111:B:ARG:HD3	1:111:B:ARG:HB3	15	0.18
(3,446)	1:134:B:ARG:HB3	1:134:B:ARG:HG2	4	0.18
(3,446)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	12	0.18
(3,439)	1:135:B:GLN:HB3	1:136:B:LYS:HG3	7	0.18
(3,437)	1:135:B:GLN:HG3	1:135:B:GLN:HB3	12	0.18
(3,418)	1:133:B:LYS:HB2	1:134:B:ARG:HD3	4	0.18
(3,415)	1:137:B:LYS:HB3	1:137:B:LYS:HG2	6	0.18
(3,413)	1:137:B:LYS:HG2	1:137:B:LYS:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,404)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	20	0.18
(3,403)	1:133:B:LYS:HD2	1:133:B:LYS:HE3	7	0.18
(3,403)	1:136:B:LYS:HD2	1:136:B:LYS:HE3	8	0.18
(3,403)	1:133:B:LYS:HD2	1:133:B:LYS:HE3	9	0.18
(3,403)	1:136:B:LYS:HD2	1:136:B:LYS:HE3	16	0.18
(3,403)	1:132:B:LYS:HD2	1:132:B:LYS:HE3	20	0.18
(3,400)	1:136:B:LYS:HE2	1:136:B:LYS:HD3	1	0.18
(3,400)	1:48:B:LYS:HE2	1:48:B:LYS:HD3	8	0.18
(3,400)	1:136:B:LYS:HE3	1:136:B:LYS:HD2	9	0.18
(3,400)	1:48:B:LYS:HE3	1:48:B:LYS:HD2	14	0.18
(3,400)	1:136:B:LYS:HE3	1:136:B:LYS:HD2	16	0.18
(3,399)	1:48:B:LYS:HE2	1:48:B:LYS:HD3	8	0.18
(3,399)	1:133:B:LYS:HE3	1:133:B:LYS:HD2	9	0.18
(3,399)	1:48:B:LYS:HE3	1:48:B:LYS:HD2	14	0.18
(3,399)	1:136:B:LYS:HE3	1:136:B:LYS:HD2	16	0.18
(3,399)	1:132:B:LYS:HE3	1:132:B:LYS:HD2	20	0.18
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	4	0.18
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	14	0.18
(3,397)	1:25:B:LYS:HE3	1:25:B:LYS:HD2	17	0.18
(3,383)	1:4:B:ARG:HG3	1:4:B:ARG:HB2	3	0.18
(3,383)	1:128:B:ARG:HG3	1:128:B:ARG:HB2	10	0.18
(3,383)	1:4:B:ARG:HG3	1:4:B:ARG:HB2	11	0.18
(3,374)	1:134:B:ARG:HG3	1:134:B:ARG:HD2	3	0.18
(3,374)	1:134:B:ARG:HG2	1:134:B:ARG:HD3	10	0.18
(3,374)	1:134:B:ARG:HG2	1:134:B:ARG:HD3	19	0.18
(3,366)	1:40:B:LEU:HD21	1:40:B:LEU:HA	3	0.18
(3,232)	1:104:B:ASN:H	1:87:B:LEU:HB3	1	0.18
(3,108)	1:53:B:HIS:H	1:54:B:LEU:HB3	9	0.18
(3,108)	1:53:B:HIS:H	1:54:B:LEU:HB3	12	0.18
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	5	0.18
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	14	0.18
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG23	18	0.18
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	8	0.18
(2,52)	1:35:B:ALA:HB1	1:33:B:VAL:HB	11	0.18
(2,52)	1:35:B:ALA:HB2	1:33:B:VAL:HB	11	0.18
(2,52)	1:35:B:ALA:HB3	1:33:B:VAL:HB	11	0.18
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD21	7	0.18
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD22	7	0.18
(2,48)	1:40:B:LEU:HB2	1:20:B:LEU:HD23	7	0.18
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	2	0.18
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	2	0.18
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	16	0.18
(1,2756)	1:129:B:GLU:HG3	1:131:B:TYR:H	17	0.18
(1,2701)	1:118:B:LEU:HD11	1:88:B:PHE:HB3	3	0.18
(1,2701)	1:118:B:LEU:HD12	1:88:B:PHE:HB3	3	0.18
(1,2701)	1:118:B:LEU:HD13	1:88:B:PHE:HB3	3	0.18
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG3	3	0.18
(1,2683)	1:6:B:ALA:HB1	1:7:B:PRO:HD2	15	0.18
(1,2683)	1:6:B:ALA:HB2	1:7:B:PRO:HD2	15	0.18
(1,2683)	1:6:B:ALA:HB3	1:7:B:PRO:HD2	15	0.18
(1,2638)	1:10:B:SER:HB3	1:11:B:PRO:HG3	10	0.18
(1,2434)	1:32:B:VAL:HG21	1:36:B:ILE:HG13	16	0.18
(1,2359)	1:38:B:ALA:HA	1:37:B:LEU:HD11	11	0.18
(1,2359)	1:38:B:ALA:HA	1:37:B:LEU:HD12	11	0.18
(1,2359)	1:38:B:ALA:HA	1:37:B:LEU:HD13	11	0.18
(1,2338)	1:40:B:LEU:HD11	1:9:B:TRP:HZ3	3	0.18
(1,2338)	1:40:B:LEU:HD12	1:9:B:TRP:HZ3	3	0.18
(1,2338)	1:40:B:LEU:HD13	1:9:B:TRP:HZ3	3	0.18
(1,2296)	1:43:B:VAL:HG21	1:44:B:PRO:HD2	17	0.18
(1,2296)	1:43:B:VAL:HG22	1:44:B:PRO:HD2	17	0.18
(1,2296)	1:43:B:VAL:HG23	1:44:B:PRO:HD2	17	0.18
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG11	18	0.18
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG12	18	0.18
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG13	18	0.18
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD11	3	0.18
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD12	3	0.18
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD13	3	0.18
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	4	0.18
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	4	0.18
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	4	0.18
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	13	0.18
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	13	0.18
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	13	0.18
(1,2159)	1:51:B:ILE:HD11	1:66:B:PHE:H	6	0.18
(1,2159)	1:51:B:ILE:HD12	1:66:B:PHE:H	6	0.18
(1,2159)	1:51:B:ILE:HD13	1:66:B:PHE:H	6	0.18
(1,2159)	1:51:B:ILE:HD11	1:66:B:PHE:H	20	0.18
(1,2159)	1:51:B:ILE:HD12	1:66:B:PHE:H	20	0.18
(1,2159)	1:51:B:ILE:HD13	1:66:B:PHE:H	20	0.18
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	9	0.18
(1,2032)	1:57:B:MET:HE1	1:18:B:ARG:HA	19	0.18
(1,2032)	1:57:B:MET:HE2	1:18:B:ARG:HA	19	0.18
(1,2032)	1:57:B:MET:HE3	1:18:B:ARG:HA	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	9	0.18
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	9	0.18
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	9	0.18
(1,1977)	1:60:B:ALA:HB1	1:66:B:PHE:HZ	17	0.18
(1,1977)	1:60:B:ALA:HB2	1:66:B:PHE:HZ	17	0.18
(1,1977)	1:60:B:ALA:HB3	1:66:B:PHE:HZ	17	0.18
(1,1940)	1:63:B:VAL:HG21	1:64:B:LYS:H	10	0.18
(1,1940)	1:63:B:VAL:HG22	1:64:B:LYS:H	10	0.18
(1,1940)	1:63:B:VAL:HG23	1:64:B:LYS:H	10	0.18
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	3	0.18
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	3	0.18
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	3	0.18
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG21	10	0.18
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG22	10	0.18
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG23	10	0.18
(1,1701)	1:12:B:GLU:HA	1:12:B:GLU:HG3	7	0.18
(1,1530)	1:97:B:VAL:HG21	1:88:B:PHE:H	8	0.18
(1,1530)	1:97:B:VAL:HG22	1:88:B:PHE:H	8	0.18
(1,1530)	1:97:B:VAL:HG23	1:88:B:PHE:H	8	0.18
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD11	7	0.18
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD12	7	0.18
(1,1490)	1:98:B:LEU:HA	1:98:B:LEU:HD13	7	0.18
(1,1484)	1:100:B:HIS:HA	1:103:B:LYS:HE2	10	0.18
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	20	0.18
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	20	0.18
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	20	0.18
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	12	0.18
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	14	0.18
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	16	0.18
(1,1304)	1:113:B:ARG:HD3	1:114:B:ILE:HA	10	0.18
(1,1268)	1:114:B:ILE:HG21	1:111:B:ARG:HA	11	0.18
(1,1268)	1:114:B:ILE:HG22	1:111:B:ARG:HA	11	0.18
(1,1268)	1:114:B:ILE:HG23	1:111:B:ARG:HA	11	0.18
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	7	0.18
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	7	0.18
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	7	0.18
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG2	4	0.18
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG2	4	0.18
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG2	4	0.18
(1,1163)	1:119:B:LEU:HD11	1:129:B:GLU:HG2	12	0.18
(1,1163)	1:119:B:LEU:HD12	1:129:B:GLU:HG2	12	0.18
(1,1163)	1:119:B:LEU:HD13	1:129:B:GLU:HG2	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	19	0.18
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	19	0.18
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	19	0.18
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	7	0.18
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	7	0.18
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	7	0.18
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	7	0.18
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	7	0.18
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	7	0.18
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	7	0.18
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	7	0.18
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	7	0.18
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	17	0.18
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	17	0.18
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	17	0.18
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	17	0.18
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	17	0.18
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	17	0.18
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	17	0.18
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	17	0.18
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	17	0.18
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	1	0.18
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	1	0.18
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	1	0.18
(1,980)	1:33:B:VAL:HG11	1:51:B:ILE:HG13	6	0.18
(1,980)	1:33:B:VAL:HG12	1:51:B:ILE:HG13	6	0.18
(1,980)	1:33:B:VAL:HG13	1:51:B:ILE:HG13	6	0.18
(1,961)	1:131:B:TYR:HD1	1:130:B:LEU:HB2	1	0.18
(1,961)	1:131:B:TYR:HD2	1:130:B:LEU:HB2	1	0.18
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	12	0.18
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	12	0.18
(1,929)	1:67:B:GLN:HG2	1:51:B:ILE:HG12	13	0.18
(1,929)	1:67:B:GLN:HG3	1:51:B:ILE:HG12	19	0.18
(1,906)	1:130:B:LEU:HD21	1:115:B:VAL:HB	10	0.18
(1,906)	1:130:B:LEU:HD22	1:115:B:VAL:HB	10	0.18
(1,906)	1:130:B:LEU:HD23	1:115:B:VAL:HB	10	0.18
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	6	0.18
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	6	0.18
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	6	0.18
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	3	0.18
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG21	5	0.18
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG22	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:98:B:LEU:H	1:97:B:VAL:HG23	5	0.18
(1,435)	1:67:B:GLN:H	1:66:B:PHE:H	11	0.18
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	11	0.18
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	13	0.18
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	13	0.18
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	13	0.18
(3,1893)	1:53:B:HIS:HD2	1:17:B:LEU:HG	19	0.17
(3,1833)	1:9:B:TRP:HD1	1:49:B:GLN:HB3	14	0.17
(3,1760)	1:19:B:GLU:HA	1:22:B:LEU:HB3	16	0.17
(3,1673)	1:32:B:VAL:HB	1:24:B:ASN:H	15	0.17
(3,1635)	1:35:B:ALA:HB1	1:34:B:GLU:H	16	0.17
(3,1610)	1:119:B:LEU:HD23	1:116:B:ASP:H	6	0.17
(3,1609)	1:138:B:LEU:HG	1:140:B:SER:HA	12	0.17
(3,1571)	1:40:B:LEU:HD12	1:54:B:LEU:HD12	2	0.17
(3,1570)	1:40:B:LEU:HB3	1:17:B:LEU:HA	1	0.17
(3,1561)	1:131:B:TYR:HB2	1:132:B:LYS:HG2	12	0.17
(3,1517)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	8	0.17
(3,1517)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	9	0.17
(3,1508)	1:48:B:LYS:HG3	1:52:B:HIS:H	2	0.17
(3,1504)	1:48:B:LYS:HG2	1:49:B:GLN:HB2	2	0.17
(3,1474)	1:50:B:ILE:HD11	1:43:B:VAL:H	20	0.17
(3,1462)	1:50:B:ILE:HG22	1:50:B:ILE:HG13	3	0.17
(3,1439)	1:51:B:ILE:HD11	1:47:B:ARG:HD2	2	0.17
(3,1435)	1:51:B:ILE:HG22	1:48:B:LYS:HG2	11	0.17
(3,1417)	1:9:B:TRP:HE3	1:17:B:LEU:HB3	14	0.17
(3,1417)	1:9:B:TRP:HE3	1:17:B:LEU:HB3	18	0.17
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD21	8	0.17
(3,1403)	1:53:B:HIS:HA	1:54:B:LEU:HD22	18	0.17
(3,1357)	1:55:B:VAL:HA	1:54:B:LEU:HD23	10	0.17
(3,1312)	1:37:B:LEU:HD22	1:37:B:LEU:HG	10	0.17
(3,1247)	1:89:B:GLU:HB3	1:90:B:GLU:HB3	12	0.17
(3,1203)	1:73:B:ILE:HD13	1:72:B:HIS:HD2	1	0.17
(3,1197)	1:73:B:ILE:HG22	1:73:B:ILE:HA	14	0.17
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG22	14	0.17
(3,1186)	1:73:B:ILE:HD12	1:74:B:VAL:HB	2	0.17
(3,1180)	1:74:B:VAL:HG23	1:76:B:TRP:HZ3	16	0.17
(3,1173)	1:74:B:VAL:HG11	1:74:B:VAL:HB	9	0.17
(3,1173)	1:74:B:VAL:HG13	1:74:B:VAL:HB	15	0.17
(3,1173)	1:74:B:VAL:HG12	1:74:B:VAL:HB	19	0.17
(3,1160)	1:72:B:HIS:HB2	1:74:B:VAL:H	19	0.17
(3,1075)	1:17:B:LEU:HD12	1:19:B:GLU:H	7	0.17
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD22	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1051)	1:98:B:LEU:HG	1:98:B:LEU:HD13	13	0.17
(3,1051)	1:98:B:LEU:HG	1:98:B:LEU:HD13	16	0.17
(3,1035)	1:20:B:LEU:HD11	1:35:B:ALA:HB3	14	0.17
(3,963)	1:132:B:LYS:HG2	1:132:B:LYS:HD3	1	0.17
(3,963)	1:133:B:LYS:HG3	1:133:B:LYS:HD2	4	0.17
(3,963)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	5	0.17
(3,963)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	10	0.17
(3,963)	1:133:B:LYS:HG3	1:133:B:LYS:HD2	15	0.17
(3,963)	1:133:B:LYS:HG2	1:133:B:LYS:HD3	16	0.17
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	13	0.17
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	15	0.17
(3,893)	1:98:B:LEU:HD23	1:118:B:LEU:HD11	2	0.17
(3,846)	1:19:B:GLU:HA	1:22:B:LEU:HB3	6	0.17
(3,846)	1:19:B:GLU:HA	1:22:B:LEU:HB3	9	0.17
(3,846)	1:19:B:GLU:HA	1:22:B:LEU:HB3	13	0.17
(3,839)	1:102:B:MET:HE3	1:103:B:LYS:HE2	17	0.17
(3,809)	1:107:B:ALA:HB3	1:80:B:GLN:HB3	5	0.17
(3,679)	1:97:B:VAL:HB	1:88:B:PHE:HB2	20	0.17
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG22	13	0.17
(3,671)	1:115:B:VAL:HA	1:84:B:LEU:HD23	8	0.17
(3,663)	1:116:B:ASP:HA	1:119:B:LEU:HD22	10	0.17
(3,631)	1:119:B:LEU:HD13	1:128:B:ARG:H	12	0.17
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD12	16	0.17
(3,559)	1:84:B:LEU:HD23	1:115:B:VAL:HA	8	0.17
(3,491)	1:130:B:LEU:HD12	1:116:B:ASP:H	2	0.17
(3,475)	1:132:B:LYS:HD3	1:132:B:LYS:HG2	1	0.17
(3,475)	1:133:B:LYS:HD2	1:133:B:LYS:HG3	4	0.17
(3,475)	1:132:B:LYS:HD2	1:132:B:LYS:HG3	5	0.17
(3,475)	1:132:B:LYS:HD2	1:132:B:LYS:HG3	10	0.17
(3,475)	1:133:B:LYS:HD2	1:133:B:LYS:HG3	15	0.17
(3,475)	1:133:B:LYS:HD3	1:133:B:LYS:HG2	16	0.17
(3,475)	1:48:B:LYS:HD2	1:48:B:LYS:HG3	19	0.17
(3,449)	1:128:B:ARG:HD3	1:128:B:ARG:HG2	6	0.17
(3,449)	1:128:B:ARG:HD3	1:128:B:ARG:HG2	13	0.17
(3,448)	1:86:B:ARG:HD2	1:86:B:ARG:HG2	3	0.17
(3,448)	1:111:B:ARG:HD3	1:98:B:LEU:HB3	9	0.17
(3,446)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	9	0.17
(3,446)	1:134:B:ARG:HB3	1:134:B:ARG:HG2	19	0.17
(3,438)	1:134:B:ARG:HA	1:134:B:ARG:HB2	14	0.17
(3,438)	1:68:B:ARG:HA	1:68:B:ARG:HB3	17	0.17
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB2	2	0.17
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB2	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB2	9	0.17
(3,427)	1:137:B:LYS:HA	1:137:B:LYS:HB2	13	0.17
(3,415)	1:137:B:LYS:HB2	1:137:B:LYS:HG3	2	0.17
(3,415)	1:69:B:LYS:HB2	1:69:B:LYS:HG3	9	0.17
(3,415)	1:132:B:LYS:HB2	1:132:B:LYS:HG3	10	0.17
(3,414)	1:132:B:LYS:HG2	1:132:B:LYS:HD3	1	0.17
(3,414)	1:133:B:LYS:HG3	1:133:B:LYS:HD2	4	0.17
(3,414)	1:133:B:LYS:HG3	1:133:B:LYS:HD2	15	0.17
(3,413)	1:137:B:LYS:HG3	1:137:B:LYS:HB2	2	0.17
(3,413)	1:69:B:LYS:HG3	1:69:B:LYS:HB2	9	0.17
(3,413)	1:132:B:LYS:HG3	1:132:B:LYS:HB2	10	0.17
(3,413)	1:136:B:LYS:HG3	1:136:B:LYS:HB3	19	0.17
(3,404)	1:132:B:LYS:HD3	1:132:B:LYS:HE2	1	0.17
(3,404)	1:136:B:LYS:HD3	1:136:B:LYS:HE2	11	0.17
(3,403)	1:132:B:LYS:HD3	1:132:B:LYS:HE2	1	0.17
(3,403)	1:136:B:LYS:HD3	1:136:B:LYS:HE2	11	0.17
(3,400)	1:137:B:LYS:HE3	1:137:B:LYS:HD2	4	0.17
(3,400)	1:64:B:LYS:HE3	1:64:B:LYS:HD2	5	0.17
(3,399)	1:132:B:LYS:HE2	1:132:B:LYS:HD3	1	0.17
(3,399)	1:136:B:LYS:HE2	1:136:B:LYS:HD3	11	0.17
(3,397)	1:25:B:LYS:HE2	1:25:B:LYS:HD2	2	0.17
(3,383)	1:4:B:ARG:HG3	1:4:B:ARG:HB2	18	0.17
(3,330)	1:109:B:ARG:HE	1:105:B:ILE:HD13	16	0.17
(3,321)	1:137:B:LYS:H	1:137:B:LYS:HB3	18	0.17
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD13	14	0.17
(3,239)	1:110:B:SER:H	1:114:B:ILE:HG13	19	0.17
(3,232)	1:104:B:ASN:H	1:87:B:LEU:HB3	8	0.17
(3,108)	1:53:B:HIS:H	1:54:B:LEU:HB3	2	0.17
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	17	0.17
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	17	0.17
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD11	11	0.17
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD12	11	0.17
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD13	11	0.17
(2,44)	1:50:B:ILE:HD11	1:40:B:LEU:H	9	0.17
(2,44)	1:50:B:ILE:HD12	1:40:B:LEU:H	9	0.17
(2,44)	1:50:B:ILE:HD13	1:40:B:LEU:H	9	0.17
(2,14)	1:141:B:SER:H	1:139:B:ALA:HA	7	0.17
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	19	0.17
(1,2715)	1:87:B:LEU:HD23	1:91:B:PHE:HD1	13	0.17
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG3	15	0.17
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	16	0.17
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	16	0.17
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG11	19	0.17
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG12	19	0.17
(1,2680)	1:6:B:ALA:HB1	1:43:B:VAL:HG13	19	0.17
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG11	19	0.17
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG12	19	0.17
(1,2680)	1:6:B:ALA:HB2	1:43:B:VAL:HG13	19	0.17
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG11	19	0.17
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG12	19	0.17
(1,2680)	1:6:B:ALA:HB3	1:43:B:VAL:HG13	19	0.17
(1,2667)	1:7:B:PRO:HA	1:43:B:VAL:HG11	9	0.17
(1,2667)	1:7:B:PRO:HA	1:43:B:VAL:HG12	9	0.17
(1,2667)	1:7:B:PRO:HA	1:43:B:VAL:HG13	9	0.17
(1,2662)	1:42:B:THR:HG21	1:44:B:PRO:HD2	15	0.17
(1,2662)	1:42:B:THR:HG22	1:44:B:PRO:HD2	15	0.17
(1,2662)	1:42:B:THR:HG23	1:44:B:PRO:HD2	15	0.17
(1,2638)	1:10:B:SER:HB3	1:11:B:PRO:HG3	14	0.17
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	5	0.17
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	5	0.17
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	5	0.17
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	9	0.17
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	9	0.17
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	9	0.17
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	12	0.17
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	12	0.17
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	12	0.17
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	18	0.17
(1,2397)	1:35:B:ALA:HB1	1:39:B:HIS:HB3	16	0.17
(1,2397)	1:35:B:ALA:HB2	1:39:B:HIS:HB3	16	0.17
(1,2397)	1:35:B:ALA:HB3	1:39:B:HIS:HB3	16	0.17
(1,2359)	1:38:B:ALA:HA	1:37:B:LEU:HD11	1	0.17
(1,2359)	1:38:B:ALA:HA	1:37:B:LEU:HD12	1	0.17
(1,2359)	1:38:B:ALA:HA	1:37:B:LEU:HD13	1	0.17
(1,2315)	1:42:B:THR:HB	1:13:B:GLU:HG2	18	0.17
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	7	0.17
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	7	0.17
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	7	0.17
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	17	0.17
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	17	0.17
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	17	0.17
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	10	0.17
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD21	4	0.17
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD22	4	0.17
(1,1986)	1:59:B:LEU:HB3	1:54:B:LEU:HD23	4	0.17
(1,1971)	1:25:B:LYS:HG2	1:25:B:LYS:HE2	15	0.17
(1,1971)	1:25:B:LYS:HG2	1:25:B:LYS:HE2	19	0.17
(1,1966)	1:60:B:ALA:HB1	1:54:B:LEU:HD11	4	0.17
(1,1966)	1:60:B:ALA:HB1	1:54:B:LEU:HD12	4	0.17
(1,1966)	1:60:B:ALA:HB1	1:54:B:LEU:HD13	4	0.17
(1,1966)	1:60:B:ALA:HB2	1:54:B:LEU:HD11	4	0.17
(1,1966)	1:60:B:ALA:HB2	1:54:B:LEU:HD12	4	0.17
(1,1966)	1:60:B:ALA:HB2	1:54:B:LEU:HD13	4	0.17
(1,1966)	1:60:B:ALA:HB3	1:54:B:LEU:HD11	4	0.17
(1,1966)	1:60:B:ALA:HB3	1:54:B:LEU:HD12	4	0.17
(1,1966)	1:60:B:ALA:HB3	1:54:B:LEU:HD13	4	0.17
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB1	4	0.17
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB2	4	0.17
(1,1948)	1:62:B:SER:HB3	1:60:B:ALA:HB3	4	0.17
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	9	0.17
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	9	0.17
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	9	0.17
(1,1933)	1:63:B:VAL:HG21	1:66:B:PHE:HB3	16	0.17
(1,1933)	1:63:B:VAL:HG22	1:66:B:PHE:HB3	16	0.17
(1,1933)	1:63:B:VAL:HG23	1:66:B:PHE:HB3	16	0.17
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB1	13	0.17
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB2	13	0.17
(1,1899)	1:65:B:ASP:HB3	1:60:B:ALA:HB3	13	0.17
(1,1844)	1:73:B:ILE:HD11	1:80:B:GLN:HE21	7	0.17
(1,1844)	1:73:B:ILE:HD12	1:80:B:GLN:HE21	7	0.17
(1,1844)	1:73:B:ILE:HD13	1:80:B:GLN:HE21	7	0.17
(1,1818)	1:74:B:VAL:HA	1:75:B:LEU:HG	11	0.17
(1,1814)	1:74:B:VAL:HG21	1:113:B:ARG:HD3	9	0.17
(1,1814)	1:74:B:VAL:HG22	1:113:B:ARG:HD3	9	0.17
(1,1814)	1:74:B:VAL:HG23	1:113:B:ARG:HD3	9	0.17
(1,1808)	1:74:B:VAL:HG13	1:75:B:LEU:HG	18	0.17
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD1	4	0.17
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD2	4	0.17
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	16	0.17
(1,1528)	1:97:B:VAL:HG21	1:88:B:PHE:HE1	20	0.17
(1,1528)	1:97:B:VAL:HG21	1:88:B:PHE:HE2	20	0.17
(1,1528)	1:97:B:VAL:HG22	1:88:B:PHE:HE1	20	0.17
(1,1528)	1:97:B:VAL:HG22	1:88:B:PHE:HE2	20	0.17
(1,1528)	1:97:B:VAL:HG23	1:88:B:PHE:HE1	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:97:B:VAL:HG23	1:88:B:PHE:HE2	20	0.17
(1,1444)	1:102:B:MET:HG2	1:102:B:MET:H	2	0.17
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD11	10	0.17
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD12	10	0.17
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD13	10	0.17
(1,1421)	1:105:B:ILE:HG21	1:102:B:MET:HG3	6	0.17
(1,1421)	1:105:B:ILE:HG22	1:102:B:MET:HG3	6	0.17
(1,1421)	1:105:B:ILE:HG23	1:102:B:MET:HG3	6	0.17
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	8	0.17
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	13	0.17
(1,1373)	1:107:B:ALA:HB1	1:105:B:ILE:HG12	13	0.17
(1,1373)	1:107:B:ALA:HB2	1:105:B:ILE:HG12	13	0.17
(1,1373)	1:107:B:ALA:HB3	1:105:B:ILE:HG12	13	0.17
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG22	4	0.17
(1,1349)	1:108:B:LYS:HA	1:105:B:ILE:HG23	5	0.17
(1,1268)	1:114:B:ILE:HG21	1:111:B:ARG:HA	7	0.17
(1,1268)	1:114:B:ILE:HG22	1:111:B:ARG:HA	7	0.17
(1,1268)	1:114:B:ILE:HG23	1:111:B:ARG:HA	7	0.17
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	19	0.17
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	19	0.17
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	19	0.17
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	9	0.17
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	9	0.17
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	9	0.17
(1,1138)	1:121:B:LEU:HD11	1:85:B:GLN:HB2	3	0.17
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	13	0.17
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	13	0.17
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	13	0.17
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	13	0.17
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	13	0.17
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	13	0.17
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	13	0.17
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	13	0.17
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	13	0.17
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	20	0.17
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	20	0.17
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	20	0.17
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	20	0.17
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	20	0.17
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	20	0.17
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	20	0.17
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	20	0.17
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	6	0.17
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	6	0.17
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	6	0.17
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	2	0.17
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	2	0.17
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	2	0.17
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	16	0.17
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	16	0.17
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	16	0.17
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	17	0.17
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	17	0.17
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	17	0.17
(1,994)	1:129:B:GLU:HB2	1:124:B:VAL:HG21	5	0.17
(1,994)	1:129:B:GLU:HB2	1:124:B:VAL:HG22	5	0.17
(1,994)	1:129:B:GLU:HB2	1:124:B:VAL:HG23	5	0.17
(1,960)	1:131:B:TYR:HD1	1:130:B:LEU:HB3	20	0.17
(1,960)	1:131:B:TYR:HD2	1:130:B:LEU:HB3	20	0.17
(1,926)	1:135:B:GLN:HA	1:135:B:GLN:HG3	16	0.17
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD21	2	0.17
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD22	2	0.17
(1,909)	1:138:B:LEU:HA	1:138:B:LEU:HD23	2	0.17
(1,896)	1:82:B:LEU:HD11	1:86:B:ARG:HD2	6	0.17
(1,896)	1:82:B:LEU:HD12	1:86:B:ARG:HD2	6	0.17
(1,896)	1:82:B:LEU:HD13	1:86:B:ARG:HD2	6	0.17
(1,888)	1:75:B:LEU:HD21	1:75:B:LEU:HA	20	0.17
(1,888)	1:75:B:LEU:HD22	1:75:B:LEU:HA	20	0.17
(1,888)	1:75:B:LEU:HD23	1:75:B:LEU:HA	20	0.17
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD1	15	0.17
(1,877)	1:33:B:VAL:HG11	1:66:B:PHE:HD2	15	0.17
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD1	15	0.17
(1,877)	1:33:B:VAL:HG12	1:66:B:PHE:HD2	15	0.17
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD1	15	0.17
(1,877)	1:33:B:VAL:HG13	1:66:B:PHE:HD2	15	0.17
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG11	6	0.17
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG12	6	0.17
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG13	6	0.17
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	8	0.17
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	8	0.17
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	8	0.17
(1,682)	1:109:B:ARG:H	1:107:B:ALA:HB1	12	0.17
(1,682)	1:109:B:ARG:H	1:107:B:ALA:HB2	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:109:B:ARG:H	1:107:B:ALA:HB3	12	0.17
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	4	0.17
(1,608)	1:94:B:SER:H	1:91:B:PHE:HA	7	0.17
(1,594)	1:93:B:ASP:H	1:93:B:ASP:HB2	5	0.17
(1,594)	1:93:B:ASP:H	1:93:B:ASP:HB2	18	0.17
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	18	0.17
(1,435)	1:67:B:GLN:H	1:66:B:PHE:H	19	0.17
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG21	19	0.17
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG22	19	0.17
(1,179)	1:30:B:GLN:HE22	1:27:B:VAL:HG23	19	0.17
(1,169)	1:30:B:GLN:HE21	1:30:B:GLN:HG2	1	0.17
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	7	0.17
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG23	2	0.16
(3,1894)	1:117:B:LYS:HD3	1:120:B:ALA:H	2	0.16
(3,1860)	1:6:B:ALA:HA	1:43:B:VAL:HG12	17	0.16
(3,1793)	1:16:B:HIS:HD2	1:20:B:LEU:HB3	1	0.16
(3,1773)	1:17:B:LEU:HD12	1:40:B:LEU:H	1	0.16
(3,1763)	1:17:B:LEU:HD12	1:50:B:ILE:HB	11	0.16
(3,1668)	1:32:B:VAL:HG22	1:24:B:ASN:H	1	0.16
(3,1655)	1:33:B:VAL:HA	1:36:B:ILE:HD12	8	0.16
(3,1613)	1:119:B:LEU:HG	1:126:B:GLU:H	10	0.16
(3,1596)	1:38:B:ALA:HB1	1:37:B:LEU:HB2	8	0.16
(3,1517)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	15	0.16
(3,1474)	1:50:B:ILE:HD12	1:43:B:VAL:H	17	0.16
(3,1439)	1:51:B:ILE:HD11	1:47:B:ARG:HD2	4	0.16
(3,1360)	1:55:B:VAL:HG11	1:63:B:VAL:HB	16	0.16
(3,1360)	1:55:B:VAL:HG12	1:63:B:VAL:HB	19	0.16
(3,1346)	1:30:B:GLN:HG2	1:30:B:GLN:HB3	2	0.16
(3,1346)	1:30:B:GLN:HG2	1:30:B:GLN:HB3	11	0.16
(3,1346)	1:30:B:GLN:HG2	1:30:B:GLN:HB3	13	0.16
(3,1312)	1:37:B:LEU:HD21	1:37:B:LEU:HG	1	0.16
(3,1312)	1:37:B:LEU:HD23	1:37:B:LEU:HG	12	0.16
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	5	0.16
(3,1197)	1:73:B:ILE:HG23	1:73:B:ILE:HA	2	0.16
(3,1194)	1:73:B:ILE:HA	1:73:B:ILE:HG23	2	0.16
(3,1173)	1:74:B:VAL:HG12	1:74:B:VAL:HB	5	0.16
(3,1152)	1:76:B:TRP:HB3	1:78:B:GLY:HA2	18	0.16
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	8	0.16
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD21	1	0.16
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD23	12	0.16
(3,1038)	1:20:B:LEU:HD11	1:19:B:GLU:H	16	0.16
(3,1036)	1:20:B:LEU:HD12	1:19:B:GLU:HG3	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1008)	1:89:B:GLU:HG2	1:88:B:PHE:H	12	0.16
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	18	0.16
(3,963)	1:133:B:LYS:HG2	1:133:B:LYS:HD3	17	0.16
(3,957)	1:93:B:ASP:HB3	1:92:B:ARG:HB2	10	0.16
(3,920)	1:98:B:LEU:HG	1:100:B:HIS:H	17	0.16
(3,901)	1:98:B:LEU:HD22	1:98:B:LEU:HB2	12	0.16
(3,899)	1:37:B:LEU:HD12	1:37:B:LEU:HG	15	0.16
(3,877)	1:100:B:HIS:HD2	1:99:B:GLY:H	4	0.16
(3,846)	1:19:B:GLU:HA	1:22:B:LEU:HB3	12	0.16
(3,838)	1:102:B:MET:HE2	1:99:B:GLY:HA3	4	0.16
(3,837)	1:102:B:MET:HE2	1:111:B:ARG:HA	14	0.16
(3,820)	1:105:B:ILE:HA	1:87:B:LEU:HB2	15	0.16
(3,776)	1:123:B:LEU:HG	1:121:B:LEU:H	3	0.16
(3,768)	1:62:B:SER:HB2	1:64:B:LYS:HD3	13	0.16
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD23	6	0.16
(3,748)	1:114:B:ILE:HD12	1:109:B:ARG:HB3	17	0.16
(3,734)	1:114:B:ILE:HG23	1:102:B:MET:HE2	10	0.16
(3,709)	1:115:B:VAL:HG13	1:119:B:LEU:H	17	0.16
(3,665)	1:116:B:ASP:HB3	1:119:B:LEU:HD23	20	0.16
(3,631)	1:119:B:LEU:HD11	1:128:B:ARG:H	10	0.16
(3,620)	1:119:B:LEU:HD12	1:124:B:VAL:HB	1	0.16
(3,620)	1:119:B:LEU:HD12	1:124:B:VAL:HB	20	0.16
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD12	3	0.16
(3,596)	1:84:B:LEU:HD21	1:114:B:ILE:HG13	9	0.16
(3,585)	1:121:B:LEU:HD12	1:81:B:GLU:H	14	0.16
(3,585)	1:121:B:LEU:HD12	1:81:B:GLU:H	19	0.16
(3,581)	1:45:B:ARG:HG2	1:45:B:ARG:H	4	0.16
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD13	14	0.16
(3,572)	1:55:B:VAL:HG22	1:57:B:MET:H	20	0.16
(3,554)	1:124:B:VAL:HG13	1:126:B:GLU:H	15	0.16
(3,502)	1:83:B:GLU:HB3	1:82:B:LEU:HB3	20	0.16
(3,475)	1:48:B:LYS:HD2	1:48:B:LYS:HG3	7	0.16
(3,475)	1:133:B:LYS:HD3	1:133:B:LYS:HG2	9	0.16
(3,475)	1:133:B:LYS:HD3	1:133:B:LYS:HG2	17	0.16
(3,449)	1:128:B:ARG:HD2	1:128:B:ARG:HG2	4	0.16
(3,449)	1:128:B:ARG:HD3	1:128:B:ARG:HG2	9	0.16
(3,448)	1:86:B:ARG:HD2	1:86:B:ARG:HG2	6	0.16
(3,448)	1:86:B:ARG:HD3	1:86:B:ARG:HG2	8	0.16
(3,446)	1:134:B:ARG:HB3	1:134:B:ARG:HG3	2	0.16
(3,446)	1:134:B:ARG:HB2	1:134:B:ARG:HG3	10	0.16
(3,446)	1:134:B:ARG:HB2	1:134:B:ARG:HG3	18	0.16
(3,438)	1:133:B:LYS:HA	1:133:B:LYS:HB3	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,437)	1:135:B:GLN:HG2	1:135:B:GLN:HB3	1	0.16
(3,437)	1:135:B:GLN:HG2	1:135:B:GLN:HB3	15	0.16
(3,425)	1:134:B:ARG:HA	1:134:B:ARG:HD3	11	0.16
(3,415)	1:103:B:LYS:HB3	1:103:B:LYS:HG2	13	0.16
(3,414)	1:136:B:LYS:HG2	1:136:B:LYS:HD3	6	0.16
(3,414)	1:133:B:LYS:HG2	1:133:B:LYS:HD3	17	0.16
(3,413)	1:103:B:LYS:HG2	1:103:B:LYS:HB3	13	0.16
(3,404)	1:137:B:LYS:HD2	1:137:B:LYS:HE3	6	0.16
(3,404)	1:137:B:LYS:HD2	1:137:B:LYS:HE3	12	0.16
(3,403)	1:137:B:LYS:HD2	1:137:B:LYS:HE3	6	0.16
(3,403)	1:137:B:LYS:HD2	1:137:B:LYS:HE3	12	0.16
(3,400)	1:137:B:LYS:HE3	1:137:B:LYS:HD2	6	0.16
(3,400)	1:137:B:LYS:HE3	1:137:B:LYS:HD2	12	0.16
(3,399)	1:48:B:LYS:HE2	1:48:B:LYS:HD3	2	0.16
(3,399)	1:137:B:LYS:HE3	1:137:B:LYS:HD2	6	0.16
(3,399)	1:137:B:LYS:HE3	1:137:B:LYS:HD2	12	0.16
(3,383)	1:128:B:ARG:HG3	1:128:B:ARG:HB2	5	0.16
(3,383)	1:128:B:ARG:HG3	1:128:B:ARG:HB2	14	0.16
(3,375)	1:128:B:ARG:HG2	1:128:B:ARG:HD2	4	0.16
(3,366)	1:40:B:LEU:HD22	1:40:B:LEU:HA	2	0.16
(3,322)	1:137:B:LYS:H	1:137:B:LYS:HG2	15	0.16
(3,311)	1:133:B:LYS:H	1:133:B:LYS:HB3	4	0.16
(3,197)	1:87:B:LEU:H	1:87:B:LEU:HD21	2	0.16
(3,175)	1:82:B:LEU:H	1:81:B:GLU:HB2	3	0.16
(3,175)	1:82:B:LEU:H	1:81:B:GLU:HB2	11	0.16
(3,163)	1:76:B:TRP:HE1	1:73:B:ILE:HB	7	0.16
(3,162)	1:76:B:TRP:HE1	1:73:B:ILE:HB	7	0.16
(3,147)	1:67:B:GLN:H	1:67:B:GLN:HG3	17	0.16
(3,147)	1:67:B:GLN:H	1:67:B:GLN:HG3	19	0.16
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	20	0.16
(2,28)	1:106:B:THR:HG21	1:80:B:GLN:HB3	13	0.16
(2,28)	1:106:B:THR:HG22	1:80:B:GLN:HB3	13	0.16
(2,28)	1:106:B:THR:HG23	1:80:B:GLN:HB3	13	0.16
(2,7)	1:68:B:ARG:H	1:64:B:LYS:HB3	7	0.16
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	6	0.16
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	7	0.16
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG3	2	0.16
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG3	18	0.16
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	5	0.16
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	5	0.16
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	5	0.16
(1,2522)	1:21:B:TYR:HD1	1:22:B:LEU:HA	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:21:B:TYR:HD2	1:22:B:LEU:HA	1	0.16
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD11	12	0.16
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD12	12	0.16
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD13	12	0.16
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD11	12	0.16
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD12	12	0.16
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD13	12	0.16
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD11	12	0.16
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD12	12	0.16
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD13	12	0.16
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD11	16	0.16
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD12	16	0.16
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD13	16	0.16
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD11	16	0.16
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD12	16	0.16
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD13	16	0.16
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD11	16	0.16
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD12	16	0.16
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD13	16	0.16
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	17	0.16
(1,2404)	1:34:B:GLU:HG3	1:31:B:ASP:HB3	16	0.16
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	5	0.16
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	5	0.16
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	5	0.16
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	5	0.16
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	5	0.16
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	5	0.16
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	5	0.16
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	5	0.16
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	5	0.16
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	10	0.16
(1,2294)	1:43:B:VAL:HG11	1:44:B:PRO:HD2	14	0.16
(1,2294)	1:43:B:VAL:HG12	1:44:B:PRO:HD2	14	0.16
(1,2294)	1:43:B:VAL:HG13	1:44:B:PRO:HD2	14	0.16
(1,2293)	1:43:B:VAL:HB	1:44:B:PRO:HD2	15	0.16
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	10	0.16
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	10	0.16
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	10	0.16
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	17	0.16
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	17	0.16
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	17	0.16
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD11	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD12	19	0.16
(1,2086)	1:54:B:LEU:HD21	1:17:B:LEU:HD13	19	0.16
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD11	19	0.16
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD12	19	0.16
(1,2086)	1:54:B:LEU:HD22	1:17:B:LEU:HD13	19	0.16
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD11	19	0.16
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD12	19	0.16
(1,2086)	1:54:B:LEU:HD23	1:17:B:LEU:HD13	19	0.16
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	7	0.16
(1,2023)	1:57:B:MET:HE1	1:18:B:ARG:HB2	7	0.16
(1,2023)	1:57:B:MET:HE2	1:18:B:ARG:HB2	7	0.16
(1,2023)	1:57:B:MET:HE3	1:18:B:ARG:HB2	7	0.16
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	18	0.16
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	18	0.16
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	18	0.16
(1,1971)	1:25:B:LYS:HG2	1:25:B:LYS:HE2	5	0.16
(1,1947)	1:62:B:SER:HB3	1:65:B:ASP:HB3	9	0.16
(1,1943)	1:62:B:SER:HB3	1:63:B:VAL:H	14	0.16
(1,1940)	1:63:B:VAL:HG21	1:64:B:LYS:H	6	0.16
(1,1940)	1:63:B:VAL:HG22	1:64:B:LYS:H	6	0.16
(1,1940)	1:63:B:VAL:HG23	1:64:B:LYS:H	6	0.16
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	18	0.16
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	18	0.16
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	18	0.16
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG21	18	0.16
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG22	18	0.16
(1,1897)	1:69:B:LYS:HA	1:71:B:THR:HG23	18	0.16
(1,1834)	1:73:B:ILE:HG21	1:74:B:VAL:H	8	0.16
(1,1834)	1:73:B:ILE:HG22	1:74:B:VAL:H	8	0.16
(1,1834)	1:73:B:ILE:HG23	1:74:B:VAL:H	8	0.16
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	13	0.16
(1,1567)	1:92:B:ARG:HG2	1:89:B:GLU:HA	12	0.16
(1,1511)	1:37:B:LEU:HB3	1:36:B:ILE:H	19	0.16
(1,1444)	1:102:B:MET:HG2	1:102:B:MET:H	20	0.16
(1,1425)	1:103:B:LYS:HE2	1:103:B:LYS:H	19	0.16
(1,1385)	1:106:B:THR:HB	1:105:B:ILE:HB	18	0.16
(1,1311)	1:110:B:SER:HA	1:102:B:MET:HG3	7	0.16
(1,1286)	1:114:B:ILE:HD11	1:109:B:ARG:HD2	14	0.16
(1,1286)	1:114:B:ILE:HD12	1:109:B:ARG:HD2	14	0.16
(1,1286)	1:114:B:ILE:HD13	1:109:B:ARG:HD2	14	0.16
(1,1286)	1:114:B:ILE:HD11	1:109:B:ARG:HD2	19	0.16
(1,1286)	1:114:B:ILE:HD12	1:109:B:ARG:HD2	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:114:B:ILE:HD13	1:109:B:ARG:HD2	19	0.16
(1,1235)	1:115:B:VAL:HG21	1:127:B:ARG:HG2	1	0.16
(1,1235)	1:115:B:VAL:HG22	1:127:B:ARG:HG2	1	0.16
(1,1235)	1:115:B:VAL:HG23	1:127:B:ARG:HG2	1	0.16
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	20	0.16
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	20	0.16
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	20	0.16
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	18	0.16
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	18	0.16
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	18	0.16
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	18	0.16
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	18	0.16
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	18	0.16
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	18	0.16
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	18	0.16
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	18	0.16
(1,1076)	1:124:B:VAL:HG11	1:115:B:VAL:HA	17	0.16
(1,1076)	1:124:B:VAL:HG12	1:115:B:VAL:HA	17	0.16
(1,1076)	1:124:B:VAL:HG13	1:115:B:VAL:HA	17	0.16
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	19	0.16
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	19	0.16
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	19	0.16
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	16	0.16
(1,952)	1:131:B:TYR:HE1	1:115:B:VAL:HB	2	0.16
(1,952)	1:131:B:TYR:HE2	1:115:B:VAL:HB	2	0.16
(1,911)	1:135:B:GLN:HA	1:136:B:LYS:HG3	15	0.16
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	13	0.16
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	13	0.16
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	13	0.16
(1,802)	1:134:B:ARG:H	1:133:B:LYS:HG2	4	0.16
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	17	0.16
(1,770)	1:126:B:GLU:H	1:124:B:VAL:HG11	5	0.16
(1,770)	1:126:B:GLU:H	1:124:B:VAL:HG12	5	0.16
(1,770)	1:126:B:GLU:H	1:124:B:VAL:HG13	5	0.16
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	1	0.16
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	1	0.16
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	1	0.16
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	9	0.16
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	9	0.16
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	9	0.16
(1,723)	1:117:B:LYS:H	1:114:B:ILE:HG12	19	0.16
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	6	0.16
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	6	0.16
(1,644)	1:103:B:LYS:H	1:102:B:MET:HB2	10	0.16
(1,431)	1:67:B:GLN:H	1:64:B:LYS:HB3	1	0.16
(1,175)	1:30:B:GLN:HE22	1:30:B:GLN:HG2	6	0.16
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	13	0.16
(1,31)	1:9:B:TRP:H	1:9:B:TRP:HD1	11	0.16
(1,25)	1:8:B:THR:H	1:8:B:THR:HG21	15	0.16
(1,25)	1:8:B:THR:H	1:8:B:THR:HG22	15	0.16
(1,25)	1:8:B:THR:H	1:8:B:THR:HG23	15	0.16
(1,14)	1:6:B:ALA:H	1:5:B:ARG:HB3	1	0.16
(3,1910)	1:76:B:TRP:HH2	1:85:B:GLN:H	7	0.15
(3,1894)	1:117:B:LYS:HD3	1:120:B:ALA:H	20	0.15
(3,1886)	1:87:B:LEU:HD22	1:87:B:LEU:HA	13	0.15
(3,1873)	1:118:B:LEU:HD13	1:119:B:LEU:HA	3	0.15
(3,1860)	1:6:B:ALA:HA	1:43:B:VAL:HG12	9	0.15
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	9	0.15
(3,1791)	1:16:B:HIS:HB3	1:40:B:LEU:HG	6	0.15
(3,1757)	1:18:B:ARG:HD3	1:18:B:ARG:HA	16	0.15
(3,1753)	1:111:B:ARG:HD2	1:98:B:LEU:HB2	13	0.15
(3,1635)	1:35:B:ALA:HB3	1:33:B:VAL:H	19	0.15
(3,1518)	1:127:B:ARG:HG2	1:115:B:VAL:HG23	14	0.15
(3,1504)	1:48:B:LYS:HG2	1:49:B:GLN:HB2	20	0.15
(3,1462)	1:50:B:ILE:HG23	1:50:B:ILE:HG13	11	0.15
(3,1453)	1:51:B:ILE:HD11	1:33:B:VAL:H	8	0.15
(3,1433)	1:51:B:ILE:HG22	1:55:B:VAL:HG11	10	0.15
(3,1388)	1:54:B:LEU:HD21	1:56:B:GLN:H	8	0.15
(3,1388)	1:54:B:LEU:HD23	1:56:B:GLN:H	9	0.15
(3,1340)	1:57:B:MET:HE3	1:60:B:ALA:H	1	0.15
(3,1321)	1:37:B:LEU:HD21	1:34:B:GLU:H	15	0.15
(3,1313)	1:37:B:LEU:HD22	1:37:B:LEU:HB3	14	0.15
(3,1312)	1:37:B:LEU:HD23	1:37:B:LEU:HG	11	0.15
(3,1312)	1:37:B:LEU:HD22	1:37:B:LEU:HG	15	0.15
(3,1299)	1:42:B:THR:HG21	1:42:B:THR:HB	6	0.15
(3,1298)	1:8:B:THR:HG23	1:7:B:PRO:HB3	20	0.15
(3,1287)	1:61:B:ASP:HB3	1:64:B:LYS:HB3	2	0.15
(3,1239)	1:70:B:GLY:HA2	1:69:B:LYS:HB3	14	0.15
(3,1229)	1:71:B:THR:HA	1:73:B:ILE:HB	4	0.15
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	3	0.15
(3,1189)	1:73:B:ILE:HG23	1:113:B:ARG:HB3	10	0.15
(3,1184)	1:74:B:VAL:HG23	1:107:B:ALA:HB3	11	0.15
(3,1160)	1:72:B:HIS:HB2	1:74:B:VAL:H	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1131)	1:72:B:HIS:HB3	1:71:B:THR:HG23	6	0.15
(3,1076)	1:115:B:VAL:HG12	1:118:B:LEU:H	6	0.15
(3,1076)	1:115:B:VAL:HG12	1:118:B:LEU:H	18	0.15
(3,1063)	1:85:B:GLN:HG2	1:86:B:ARG:HG3	9	0.15
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD23	11	0.15
(3,1051)	1:37:B:LEU:HG	1:37:B:LEU:HD22	15	0.15
(3,997)	1:89:B:GLU:HG3	1:90:B:GLU:HB2	13	0.15
(3,997)	1:89:B:GLU:HG3	1:90:B:GLU:HB2	19	0.15
(3,963)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	14	0.15
(3,929)	1:97:B:VAL:HG11	1:96:B:ASP:HB3	3	0.15
(3,911)	1:37:B:LEU:HD12	1:67:B:GLN:HE22	20	0.15
(3,860)	1:101:B:ILE:HD11	1:118:B:LEU:HD23	6	0.15
(3,860)	1:101:B:ILE:HD13	1:118:B:LEU:HD23	19	0.15
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB2	17	0.15
(3,713)	1:22:B:LEU:HD23	1:22:B:LEU:H	8	0.15
(3,632)	1:119:B:LEU:HD12	1:120:B:ALA:H	16	0.15
(3,624)	1:37:B:LEU:HD22	1:47:B:ARG:HD2	6	0.15
(3,621)	1:119:B:LEU:HD13	1:119:B:LEU:HB2	10	0.15
(3,618)	1:119:B:LEU:HD12	1:124:B:VAL:HG23	19	0.15
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD13	1	0.15
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD11	11	0.15
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD11	3	0.15
(3,576)	1:122:B:GLY:HA3	1:119:B:LEU:HD13	7	0.15
(3,566)	1:109:B:ARG:HG2	1:113:B:ARG:HB2	2	0.15
(3,537)	1:125:B:ALA:HB2	1:126:B:GLU:HG3	7	0.15
(3,491)	1:130:B:LEU:HD11	1:116:B:ASP:H	4	0.15
(3,491)	1:130:B:LEU:HD13	1:116:B:ASP:H	13	0.15
(3,475)	1:132:B:LYS:HD2	1:132:B:LYS:HG3	14	0.15
(3,449)	1:4:B:ARG:HD3	1:4:B:ARG:HG2	2	0.15
(3,449)	1:128:B:ARG:HD2	1:128:B:ARG:HG3	11	0.15
(3,449)	1:128:B:ARG:HD2	1:128:B:ARG:HG2	14	0.15
(3,446)	1:134:B:ARG:HB3	1:134:B:ARG:HG3	5	0.15
(3,438)	1:134:B:ARG:HA	1:134:B:ARG:HB3	8	0.15
(3,437)	1:135:B:GLN:HG3	1:135:B:GLN:HB3	6	0.15
(3,414)	1:137:B:LYS:HG2	1:137:B:LYS:HD3	5	0.15
(3,414)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	14	0.15
(3,400)	1:48:B:LYS:HE2	1:48:B:LYS:HD3	7	0.15
(3,399)	1:48:B:LYS:HE2	1:48:B:LYS:HD3	7	0.15
(3,383)	1:5:B:ARG:HG3	1:5:B:ARG:HB3	1	0.15
(3,383)	1:128:B:ARG:HG3	1:128:B:ARG:HB2	7	0.15
(3,375)	1:4:B:ARG:HG2	1:4:B:ARG:HD3	2	0.15
(3,375)	1:128:B:ARG:HG3	1:128:B:ARG:HD2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,375)	1:128:B:ARG:HG2	1:128:B:ARG:HD2	14	0.15
(3,375)	1:5:B:ARG:HG2	1:5:B:ARG:HD3	18	0.15
(3,374)	1:4:B:ARG:HG2	1:4:B:ARG:HD3	2	0.15
(3,374)	1:4:B:ARG:HG3	1:4:B:ARG:HD2	20	0.15
(3,365)	1:138:B:LEU:HG	1:138:B:LEU:HA	10	0.15
(3,364)	1:138:B:LEU:HG	1:138:B:LEU:HA	10	0.15
(3,354)	1:82:B:LEU:HD21	1:83:B:GLU:H	16	0.15
(3,284)	1:122:B:GLY:H	1:119:B:LEU:HD13	15	0.15
(3,134)	1:101:B:ILE:H	1:100:B:HIS:HA	13	0.15
(3,77)	1:37:B:LEU:H	1:37:B:LEU:HB3	1	0.15
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG22	12	0.15
(3,68)	1:35:B:ALA:H	1:33:B:VAL:HG11	10	0.15
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	4	0.15
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	7	0.15
(2,11)	1:110:B:SER:H	1:74:B:VAL:HB	2	0.15
(2,10)	1:104:B:ASN:H	1:100:B:HIS:H	14	0.15
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	9	0.15
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	12	0.15
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	10	0.15
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG2	1	0.15
(1,2689)	1:5:B:ARG:HB2	1:5:B:ARG:HG3	4	0.15
(1,2687)	1:6:B:ALA:HB1	1:49:B:GLN:HE22	7	0.15
(1,2687)	1:6:B:ALA:HB2	1:49:B:GLN:HE22	7	0.15
(1,2687)	1:6:B:ALA:HB3	1:49:B:GLN:HE22	7	0.15
(1,2687)	1:6:B:ALA:HB1	1:49:B:GLN:HE22	13	0.15
(1,2687)	1:6:B:ALA:HB2	1:49:B:GLN:HE22	13	0.15
(1,2687)	1:6:B:ALA:HB3	1:49:B:GLN:HE22	13	0.15
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	4	0.15
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	4	0.15
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	4	0.15
(1,2659)	1:8:B:THR:HB	1:9:B:TRP:HB2	12	0.15
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD11	12	0.15
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD12	12	0.15
(1,2598)	1:18:B:ARG:HB3	1:59:B:LEU:HD13	12	0.15
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	7	0.15
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	7	0.15
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	7	0.15
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	10	0.15
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	10	0.15
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	10	0.15
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD21	5	0.15
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD22	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD23	5	0.15
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD21	5	0.15
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD22	5	0.15
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD23	5	0.15
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD21	5	0.15
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD22	5	0.15
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD23	5	0.15
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD21	14	0.15
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD22	14	0.15
(1,2558)	1:17:B:LEU:HD21	1:54:B:LEU:HD23	14	0.15
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD21	14	0.15
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD22	14	0.15
(1,2558)	1:17:B:LEU:HD22	1:54:B:LEU:HD23	14	0.15
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD21	14	0.15
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD22	14	0.15
(1,2558)	1:17:B:LEU:HD23	1:54:B:LEU:HD23	14	0.15
(1,2549)	1:17:B:LEU:HD11	1:54:B:LEU:HD11	7	0.15
(1,2549)	1:17:B:LEU:HD11	1:54:B:LEU:HD12	7	0.15
(1,2549)	1:17:B:LEU:HD11	1:54:B:LEU:HD13	7	0.15
(1,2549)	1:17:B:LEU:HD12	1:54:B:LEU:HD11	7	0.15
(1,2549)	1:17:B:LEU:HD12	1:54:B:LEU:HD12	7	0.15
(1,2549)	1:17:B:LEU:HD12	1:54:B:LEU:HD13	7	0.15
(1,2549)	1:17:B:LEU:HD13	1:54:B:LEU:HD11	7	0.15
(1,2549)	1:17:B:LEU:HD13	1:54:B:LEU:HD12	7	0.15
(1,2549)	1:17:B:LEU:HD13	1:54:B:LEU:HD13	7	0.15
(1,2416)	1:33:B:VAL:HA	1:36:B:ILE:HB	12	0.15
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD21	6	0.15
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD22	6	0.15
(1,2357)	1:16:B:HIS:HE1	1:20:B:LEU:HD23	6	0.15
(1,2338)	1:40:B:LEU:HD11	1:9:B:TRP:HZ3	17	0.15
(1,2338)	1:40:B:LEU:HD12	1:9:B:TRP:HZ3	17	0.15
(1,2338)	1:40:B:LEU:HD13	1:9:B:TRP:HZ3	17	0.15
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD11	2	0.15
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD12	2	0.15
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD13	2	0.15
(1,2296)	1:43:B:VAL:HG21	1:44:B:PRO:HD2	11	0.15
(1,2296)	1:43:B:VAL:HG22	1:44:B:PRO:HD2	11	0.15
(1,2296)	1:43:B:VAL:HG23	1:44:B:PRO:HD2	11	0.15
(1,2278)	1:43:B:VAL:HG21	1:45:B:ARG:HB3	12	0.15
(1,2278)	1:43:B:VAL:HG22	1:45:B:ARG:HB3	12	0.15
(1,2278)	1:43:B:VAL:HG23	1:45:B:ARG:HB3	12	0.15
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG21	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG22	16	0.15
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG23	16	0.15
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG21	16	0.15
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG22	16	0.15
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG23	16	0.15
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG21	16	0.15
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG22	16	0.15
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG23	16	0.15
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	4	0.15
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD1	20	0.15
(1,1995)	1:37:B:LEU:HD21	1:50:B:ILE:HB	11	0.15
(1,1995)	1:37:B:LEU:HD22	1:50:B:ILE:HB	11	0.15
(1,1995)	1:37:B:LEU:HD23	1:50:B:ILE:HB	11	0.15
(1,1923)	1:64:B:LYS:HB3	1:63:B:VAL:H	10	0.15
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD1	8	0.15
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD2	8	0.15
(1,1633)	1:90:B:GLU:HG3	1:86:B:ARG:HA	20	0.15
(1,1620)	1:90:B:GLU:HG2	1:91:B:PHE:HD1	15	0.15
(1,1620)	1:90:B:GLU:HG2	1:91:B:PHE:HD2	15	0.15
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG21	16	0.15
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG22	16	0.15
(1,1606)	1:66:B:PHE:HE1	1:51:B:ILE:HG23	16	0.15
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG21	16	0.15
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG22	16	0.15
(1,1606)	1:66:B:PHE:HE2	1:51:B:ILE:HG23	16	0.15
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	1	0.15
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	1	0.15
(1,1558)	1:92:B:ARG:HD2	1:89:B:GLU:HB2	18	0.15
(1,1511)	1:37:B:LEU:HB3	1:36:B:ILE:H	7	0.15
(1,1482)	1:100:B:HIS:HD2	1:97:B:VAL:HA	14	0.15
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	4	0.15
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	4	0.15
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	4	0.15
(1,1443)	1:102:B:MET:HE1	1:103:B:LYS:H	1	0.15
(1,1443)	1:102:B:MET:HE2	1:103:B:LYS:H	1	0.15
(1,1443)	1:102:B:MET:HE3	1:103:B:LYS:H	1	0.15
(1,1443)	1:102:B:MET:HE1	1:103:B:LYS:H	14	0.15
(1,1443)	1:102:B:MET:HE2	1:103:B:LYS:H	14	0.15
(1,1443)	1:102:B:MET:HE3	1:103:B:LYS:H	14	0.15
(1,1439)	1:102:B:MET:HE1	1:102:B:MET:H	9	0.15
(1,1439)	1:102:B:MET:HE2	1:102:B:MET:H	9	0.15
(1,1439)	1:102:B:MET:HE3	1:102:B:MET:H	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	19	0.15
(1,1368)	1:107:B:ALA:HB1	1:108:B:LYS:HE3	6	0.15
(1,1368)	1:107:B:ALA:HB2	1:108:B:LYS:HE3	6	0.15
(1,1368)	1:107:B:ALA:HB3	1:108:B:LYS:HE3	6	0.15
(1,1311)	1:110:B:SER:HA	1:102:B:MET:HG3	10	0.15
(1,1304)	1:113:B:ARG:HD3	1:114:B:ILE:HA	2	0.15
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	4	0.15
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	4	0.15
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	4	0.15
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	20	0.15
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	20	0.15
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	20	0.15
(1,1231)	1:115:B:VAL:HG21	1:116:B:ASP:HB3	8	0.15
(1,1231)	1:115:B:VAL:HG22	1:116:B:ASP:HB3	8	0.15
(1,1231)	1:115:B:VAL:HG23	1:116:B:ASP:HB3	8	0.15
(1,1175)	1:119:B:LEU:HD11	1:118:B:LEU:H	2	0.15
(1,1175)	1:119:B:LEU:HD12	1:118:B:LEU:H	2	0.15
(1,1175)	1:119:B:LEU:HD13	1:118:B:LEU:H	2	0.15
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	11	0.15
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	11	0.15
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	11	0.15
(1,1099)	1:55:B:VAL:HG21	1:61:B:ASP:HB3	17	0.15
(1,1099)	1:55:B:VAL:HG22	1:61:B:ASP:HB3	17	0.15
(1,1099)	1:55:B:VAL:HG23	1:61:B:ASP:HB3	17	0.15
(1,1081)	1:124:B:VAL:HG21	1:126:B:GLU:H	20	0.15
(1,1081)	1:124:B:VAL:HG22	1:126:B:GLU:H	20	0.15
(1,1081)	1:124:B:VAL:HG23	1:126:B:GLU:H	20	0.15
(1,966)	1:131:B:TYR:HD1	1:130:B:LEU:H	20	0.15
(1,966)	1:131:B:TYR:HD2	1:130:B:LEU:H	20	0.15
(1,879)	1:59:B:LEU:HD23	1:21:B:TYR:HD1	10	0.15
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE1	10	0.15
(1,878)	1:33:B:VAL:HG11	1:66:B:PHE:HE2	10	0.15
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE1	10	0.15
(1,878)	1:33:B:VAL:HG12	1:66:B:PHE:HE2	10	0.15
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE1	10	0.15
(1,878)	1:33:B:VAL:HG13	1:66:B:PHE:HE2	10	0.15
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB1	7	0.15
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB2	7	0.15
(1,855)	1:141:B:SER:HB2	1:125:B:ALA:HB3	7	0.15
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	15	0.15
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	15	0.15
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,737)	1:120:B:ALA:H	1:123:B:LEU:HB2	10	0.15
(1,723)	1:117:B:LYS:H	1:114:B:ILE:HG12	11	0.15
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE1	16	0.15
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE2	16	0.15
(1,706)	1:113:B:ARG:H	1:102:B:MET:HE3	16	0.15
(1,662)	1:106:B:THR:H	1:105:B:ILE:HG13	2	0.15
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	12	0.15
(1,451)	1:68:B:ARG:H	1:70:B:GLY:H	6	0.15
(1,435)	1:67:B:GLN:H	1:66:B:PHE:H	15	0.15
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	2	0.15
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE1	15	0.15
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE2	15	0.15
(1,76)	1:16:B:HIS:H	1:57:B:MET:HE3	15	0.15
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	3	0.15
(1,33)	1:9:B:TRP:HE1	1:53:B:HIS:H	16	0.15
(1,25)	1:8:B:THR:H	1:8:B:THR:HG21	16	0.15
(1,25)	1:8:B:THR:H	1:8:B:THR:HG22	16	0.15
(1,25)	1:8:B:THR:H	1:8:B:THR:HG23	16	0.15
(1,3)	1:102:B:MET:H	1:102:B:MET:HG3	13	0.15
(3,1873)	1:118:B:LEU:HD11	1:119:B:LEU:HA	8	0.14
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	1	0.14
(3,1794)	1:16:B:HIS:HD2	1:40:B:LEU:HG	8	0.14
(3,1760)	1:19:B:GLU:HA	1:23:B:ALA:HB3	3	0.14
(3,1757)	1:18:B:ARG:HD3	1:18:B:ARG:HA	9	0.14
(3,1686)	1:74:B:VAL:HG13	1:107:B:ALA:HA	19	0.14
(3,1683)	1:135:B:GLN:HB2	1:136:B:LYS:HG2	14	0.14
(3,1669)	1:32:B:VAL:HG23	1:25:B:LYS:H	9	0.14
(3,1635)	1:35:B:ALA:HB1	1:34:B:GLU:H	6	0.14
(3,1635)	1:35:B:ALA:HB1	1:34:B:GLU:H	15	0.14
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	3	0.14
(3,1605)	1:37:B:LEU:HA	1:45:B:ARG:HD3	8	0.14
(3,1547)	1:43:B:VAL:HG12	1:45:B:ARG:HD3	4	0.14
(3,1525)	1:46:B:THR:HA	1:50:B:ILE:HD11	17	0.14
(3,1517)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	1	0.14
(3,1501)	1:69:B:LYS:HB3	1:69:B:LYS:HG2	4	0.14
(3,1501)	1:69:B:LYS:HB3	1:69:B:LYS:HG2	7	0.14
(3,1474)	1:50:B:ILE:HD13	1:43:B:VAL:H	16	0.14
(3,1441)	1:51:B:ILE:HD11	1:47:B:ARG:HB3	3	0.14
(3,1434)	1:51:B:ILE:HG21	1:54:B:LEU:HB3	19	0.14
(3,1406)	1:53:B:HIS:HB3	1:59:B:LEU:HD21	9	0.14
(3,1388)	1:54:B:LEU:HD22	1:53:B:HIS:H	13	0.14
(3,1346)	1:30:B:GLN:HG2	1:30:B:GLN:HB3	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1346)	1:30:B:GLN:HG2	1:30:B:GLN:HB3	7	0.14
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG12	14	0.14
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD11	12	0.14
(3,1313)	1:37:B:LEU:HD22	1:37:B:LEU:HB3	19	0.14
(3,1299)	1:42:B:THR:HG23	1:42:B:THR:HB	1	0.14
(3,1299)	1:8:B:THR:HG23	1:8:B:THR:HB	7	0.14
(3,1299)	1:42:B:THR:HG22	1:42:B:THR:HB	13	0.14
(3,1299)	1:42:B:THR:HG23	1:42:B:THR:HB	16	0.14
(3,1299)	1:42:B:THR:HG23	1:42:B:THR:HB	18	0.14
(3,1299)	1:42:B:THR:HG22	1:42:B:THR:HB	19	0.14
(3,1223)	1:72:B:HIS:HD2	1:73:B:ILE:HB	6	0.14
(3,1218)	1:72:B:HIS:HD2	1:113:B:ARG:HA	20	0.14
(3,1211)	1:73:B:ILE:HB	1:76:B:TRP:HB2	11	0.14
(3,1203)	1:73:B:ILE:HD12	1:72:B:HIS:HD2	7	0.14
(3,1203)	1:73:B:ILE:HD12	1:72:B:HIS:HD2	20	0.14
(3,1186)	1:73:B:ILE:HD13	1:74:B:VAL:HB	3	0.14
(3,1180)	1:74:B:VAL:HG23	1:76:B:TRP:HZ3	4	0.14
(3,1149)	1:52:B:HIS:HB3	1:56:B:GLN:HA	6	0.14
(3,1143)	1:76:B:TRP:HD1	1:75:B:LEU:HB2	9	0.14
(3,1143)	1:76:B:TRP:HD1	1:117:B:LYS:HB3	16	0.14
(3,1075)	1:17:B:LEU:HD11	1:19:B:GLU:H	16	0.14
(3,1050)	1:82:B:LEU:HG	1:83:B:GLU:HG3	9	0.14
(3,1044)	1:86:B:ARG:HG3	1:85:B:GLN:H	6	0.14
(3,1036)	1:20:B:LEU:HD12	1:19:B:GLU:HG3	19	0.14
(3,1005)	1:83:B:GLU:HG2	1:86:B:ARG:H	8	0.14
(3,982)	1:66:B:PHE:HD1	1:63:B:VAL:HB	9	0.14
(3,963)	1:132:B:LYS:HG3	1:132:B:LYS:HD2	20	0.14
(3,960)	1:92:B:ARG:HD2	1:123:B:LEU:HD12	1	0.14
(3,933)	1:97:B:VAL:HG12	1:88:B:PHE:HB3	7	0.14
(3,929)	1:97:B:VAL:HG12	1:96:B:ASP:HB3	1	0.14
(3,929)	1:97:B:VAL:HG13	1:96:B:ASP:HB3	16	0.14
(3,927)	1:97:B:VAL:HG11	1:98:B:LEU:HG	3	0.14
(3,912)	1:98:B:LEU:HD23	1:131:B:TYR:HD1	6	0.14
(3,904)	1:37:B:LEU:HD12	1:34:B:GLU:HA	1	0.14
(3,901)	1:98:B:LEU:HD23	1:98:B:LEU:HB2	6	0.14
(3,901)	1:98:B:LEU:HD21	1:98:B:LEU:HB2	18	0.14
(3,900)	1:37:B:LEU:HD11	1:37:B:LEU:HB2	19	0.14
(3,832)	1:103:B:LYS:HE2	1:102:B:MET:HB2	4	0.14
(3,805)	1:107:B:ALA:HA	1:74:B:VAL:HG13	19	0.14
(3,689)	1:33:B:VAL:HG22	1:54:B:LEU:HD11	15	0.14
(3,680)	1:63:B:VAL:HB	1:66:B:PHE:HB2	9	0.14
(3,632)	1:119:B:LEU:HD13	1:120:B:ALA:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	5	0.14
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	7	0.14
(3,623)	1:119:B:LEU:HD21	1:119:B:LEU:HG	13	0.14
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	19	0.14
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	20	0.14
(3,620)	1:119:B:LEU:HD12	1:124:B:VAL:HB	9	0.14
(3,596)	1:84:B:LEU:HD23	1:114:B:ILE:HG13	11	0.14
(3,560)	1:123:B:LEU:HD22	1:88:B:PHE:HB2	13	0.14
(3,560)	1:123:B:LEU:HD23	1:88:B:PHE:HB2	17	0.14
(3,554)	1:124:B:VAL:HG12	1:126:B:GLU:H	16	0.14
(3,537)	1:125:B:ALA:HB1	1:126:B:GLU:HG3	18	0.14
(3,533)	1:34:B:GLU:HG3	1:37:B:LEU:HG	14	0.14
(3,476)	1:69:B:LYS:HA	1:69:B:LYS:HG3	7	0.14
(3,475)	1:132:B:LYS:HD2	1:132:B:LYS:HG3	20	0.14
(3,449)	1:4:B:ARG:HD2	1:4:B:ARG:HG3	8	0.14
(3,448)	1:128:B:ARG:HD2	1:128:B:ARG:HB3	13	0.14
(3,448)	1:86:B:ARG:HD2	1:86:B:ARG:HG2	14	0.14
(3,446)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	1	0.14
(3,446)	1:134:B:ARG:HB2	1:134:B:ARG:HG2	15	0.14
(3,438)	1:134:B:ARG:HA	1:134:B:ARG:HB3	6	0.14
(3,437)	1:67:B:GLN:HG3	1:67:B:GLN:HB2	10	0.14
(3,437)	1:67:B:GLN:HG3	1:67:B:GLN:HB2	18	0.14
(3,427)	1:136:B:LYS:HA	1:136:B:LYS:HB3	3	0.14
(3,374)	1:4:B:ARG:HG3	1:4:B:ARG:HD2	8	0.14
(3,366)	1:75:B:LEU:HD13	1:75:B:LEU:HA	19	0.14
(3,359)	1:98:B:LEU:HD12	1:131:B:TYR:HD2	16	0.14
(3,339)	1:3:B:SER:HB2	1:4:B:ARG:HG3	13	0.14
(3,323)	1:139:B:ALA:H	1:141:B:SER:HA	11	0.14
(3,239)	1:110:B:SER:H	1:114:B:ILE:HG13	11	0.14
(3,192)	1:85:B:GLN:HE22	1:123:B:LEU:HD23	5	0.14
(3,165)	1:76:B:TRP:HE1	1:114:B:ILE:HG12	16	0.14
(3,163)	1:76:B:TRP:HE1	1:73:B:ILE:HB	10	0.14
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG23	4	0.14
(3,26)	1:16:B:HIS:H	1:40:B:LEU:HD13	7	0.14
(3,10)	1:9:B:TRP:HE1	1:45:B:ARG:HD3	6	0.14
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD11	13	0.14
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD12	13	0.14
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD13	13	0.14
(2,16)	1:3:B:SER:HB3	1:44:B:PRO:HA	8	0.14
(2,11)	1:110:B:SER:H	1:74:B:VAL:HB	8	0.14
(2,10)	1:104:B:ASN:H	1:100:B:HIS:H	18	0.14
(2,9)	1:85:B:GLN:HE22	1:89:B:GLU:HG2	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	20	0.14
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE1	16	0.14
(1,2760)	1:128:B:ARG:HB2	1:131:B:TYR:HE2	16	0.14
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	4	0.14
(1,2729)	1:117:B:LYS:HD2	1:117:B:LYS:HA	19	0.14
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	15	0.14
(1,2687)	1:6:B:ALA:HB1	1:49:B:GLN:HE22	1	0.14
(1,2687)	1:6:B:ALA:HB2	1:49:B:GLN:HE22	1	0.14
(1,2687)	1:6:B:ALA:HB3	1:49:B:GLN:HE22	1	0.14
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	17	0.14
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	17	0.14
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	17	0.14
(1,2497)	1:24:B:ASN:HA	1:27:B:VAL:HB	17	0.14
(1,2450)	1:61:B:ASP:HB3	1:64:B:LYS:H	3	0.14
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD11	2	0.14
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD12	2	0.14
(1,2423)	1:32:B:VAL:HG11	1:54:B:LEU:HD13	2	0.14
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD11	2	0.14
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD12	2	0.14
(1,2423)	1:32:B:VAL:HG12	1:54:B:LEU:HD13	2	0.14
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD11	2	0.14
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD12	2	0.14
(1,2423)	1:32:B:VAL:HG13	1:54:B:LEU:HD13	2	0.14
(1,2338)	1:40:B:LEU:HD11	1:9:B:TRP:HZ3	18	0.14
(1,2338)	1:40:B:LEU:HD12	1:9:B:TRP:HZ3	18	0.14
(1,2338)	1:40:B:LEU:HD13	1:9:B:TRP:HZ3	18	0.14
(1,2338)	1:40:B:LEU:HD11	1:9:B:TRP:HZ3	19	0.14
(1,2338)	1:40:B:LEU:HD12	1:9:B:TRP:HZ3	19	0.14
(1,2338)	1:40:B:LEU:HD13	1:9:B:TRP:HZ3	19	0.14
(1,2336)	1:40:B:LEU:HD11	1:40:B:LEU:HA	16	0.14
(1,2336)	1:40:B:LEU:HD12	1:40:B:LEU:HA	16	0.14
(1,2336)	1:40:B:LEU:HD13	1:40:B:LEU:HA	16	0.14
(1,2320)	1:60:B:ALA:HB1	1:65:B:ASP:H	12	0.14
(1,2320)	1:60:B:ALA:HB2	1:65:B:ASP:H	12	0.14
(1,2320)	1:60:B:ALA:HB3	1:65:B:ASP:H	12	0.14
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD21	14	0.14
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD22	14	0.14
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD23	14	0.14
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG11	16	0.14
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG12	16	0.14
(1,2259)	1:44:B:PRO:HG2	1:43:B:VAL:HG13	16	0.14
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG11	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG12	20	0.14
(1,2258)	1:44:B:PRO:HB2	1:43:B:VAL:HG13	20	0.14
(1,2252)	1:44:B:PRO:HA	1:45:B:ARG:HG3	8	0.14
(1,2120)	1:52:B:HIS:HE1	1:56:B:GLN:HG3	13	0.14
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	14	0.14
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	14	0.14
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	14	0.14
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	19	0.14
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	19	0.14
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	19	0.14
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	5	0.14
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	16	0.14
(1,1973)	1:42:B:THR:HG21	1:45:B:ARG:HD3	11	0.14
(1,1973)	1:42:B:THR:HG22	1:45:B:ARG:HD3	11	0.14
(1,1973)	1:42:B:THR:HG23	1:45:B:ARG:HD3	11	0.14
(1,1943)	1:62:B:SER:HB3	1:63:B:VAL:H	9	0.14
(1,1940)	1:63:B:VAL:HG21	1:64:B:LYS:H	9	0.14
(1,1940)	1:63:B:VAL:HG22	1:64:B:LYS:H	9	0.14
(1,1940)	1:63:B:VAL:HG23	1:64:B:LYS:H	9	0.14
(1,1841)	1:73:B:ILE:HG21	1:72:B:HIS:HD2	15	0.14
(1,1841)	1:73:B:ILE:HG22	1:72:B:HIS:HD2	15	0.14
(1,1841)	1:73:B:ILE:HG23	1:72:B:HIS:HD2	15	0.14
(1,1633)	1:90:B:GLU:HG3	1:86:B:ARG:HA	9	0.14
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	9	0.14
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	9	0.14
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	9	0.14
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	17	0.14
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	17	0.14
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	17	0.14
(1,1528)	1:97:B:VAL:HG21	1:88:B:PHE:HE1	14	0.14
(1,1528)	1:97:B:VAL:HG21	1:88:B:PHE:HE2	14	0.14
(1,1528)	1:97:B:VAL:HG22	1:88:B:PHE:HE1	14	0.14
(1,1528)	1:97:B:VAL:HG22	1:88:B:PHE:HE2	14	0.14
(1,1528)	1:97:B:VAL:HG23	1:88:B:PHE:HE1	14	0.14
(1,1528)	1:97:B:VAL:HG23	1:88:B:PHE:HE2	14	0.14
(1,1482)	1:100:B:HIS:HD2	1:97:B:VAL:HA	4	0.14
(1,1451)	1:102:B:MET:HE1	1:111:B:ARG:HG3	16	0.14
(1,1451)	1:102:B:MET:HE2	1:111:B:ARG:HG3	16	0.14
(1,1451)	1:102:B:MET:HE3	1:111:B:ARG:HG3	16	0.14
(1,1441)	1:102:B:MET:HE1	1:99:B:GLY:H	13	0.14
(1,1441)	1:102:B:MET:HE2	1:99:B:GLY:H	13	0.14
(1,1441)	1:102:B:MET:HE3	1:99:B:GLY:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG21	6	0.14
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG22	6	0.14
(1,1430)	1:31:B:ASP:HB3	1:33:B:VAL:HG23	6	0.14
(1,1422)	1:105:B:ILE:HG21	1:109:B:ARG:HD3	18	0.14
(1,1422)	1:105:B:ILE:HG22	1:109:B:ARG:HD3	18	0.14
(1,1422)	1:105:B:ILE:HG23	1:109:B:ARG:HD3	18	0.14
(1,1414)	1:103:B:LYS:HD2	1:103:B:LYS:HG3	13	0.14
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	1	0.14
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	1	0.14
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	1	0.14
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	7	0.14
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	7	0.14
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	7	0.14
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	8	0.14
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	8	0.14
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	8	0.14
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	14	0.14
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	14	0.14
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	14	0.14
(1,1239)	1:63:B:VAL:HB	1:66:B:PHE:HD1	10	0.14
(1,1239)	1:63:B:VAL:HB	1:66:B:PHE:HD2	10	0.14
(1,1170)	1:59:B:LEU:HD11	1:21:B:TYR:HB3	12	0.14
(1,1170)	1:59:B:LEU:HD12	1:21:B:TYR:HB3	12	0.14
(1,1170)	1:59:B:LEU:HD13	1:21:B:TYR:HB3	12	0.14
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD21	15	0.14
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD22	15	0.14
(1,1164)	1:119:B:LEU:HD11	1:130:B:LEU:HD23	15	0.14
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD21	15	0.14
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD22	15	0.14
(1,1164)	1:119:B:LEU:HD12	1:130:B:LEU:HD23	15	0.14
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD21	15	0.14
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD22	15	0.14
(1,1164)	1:119:B:LEU:HD13	1:130:B:LEU:HD23	15	0.14
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	3	0.14
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	3	0.14
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	3	0.14
(1,1138)	1:121:B:LEU:HD13	1:85:B:GLN:HB2	15	0.14
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	2	0.14
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	2	0.14
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	2	0.14
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	2	0.14
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	2	0.14
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	2	0.14
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	2	0.14
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	2	0.14
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	5	0.14
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	5	0.14
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	5	0.14
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	5	0.14
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	5	0.14
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	5	0.14
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	5	0.14
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	5	0.14
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	5	0.14
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	14	0.14
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	14	0.14
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	14	0.14
(1,1076)	1:124:B:VAL:HG11	1:115:B:VAL:HA	2	0.14
(1,1076)	1:124:B:VAL:HG12	1:115:B:VAL:HA	2	0.14
(1,1076)	1:124:B:VAL:HG13	1:115:B:VAL:HA	2	0.14
(1,1076)	1:124:B:VAL:HG11	1:115:B:VAL:HA	9	0.14
(1,1076)	1:124:B:VAL:HG12	1:115:B:VAL:HA	9	0.14
(1,1076)	1:124:B:VAL:HG13	1:115:B:VAL:HA	9	0.14
(1,1055)	1:124:B:VAL:HG21	1:125:B:ALA:H	6	0.14
(1,1055)	1:124:B:VAL:HG22	1:125:B:ALA:H	6	0.14
(1,1055)	1:124:B:VAL:HG23	1:125:B:ALA:H	6	0.14
(1,1035)	1:126:B:GLU:HG2	1:128:B:ARG:HD2	5	0.14
(1,1020)	1:126:B:GLU:HB3	1:128:B:ARG:HD3	16	0.14
(1,1019)	1:126:B:GLU:HB2	1:128:B:ARG:HD2	15	0.14
(1,958)	1:131:B:TYR:HD1	1:115:B:VAL:HB	5	0.14
(1,958)	1:131:B:TYR:HD2	1:115:B:VAL:HB	5	0.14
(1,905)	1:130:B:LEU:HD21	1:129:B:GLU:HG3	7	0.14
(1,905)	1:130:B:LEU:HD22	1:129:B:GLU:HG3	7	0.14
(1,905)	1:130:B:LEU:HD23	1:129:B:GLU:HG3	7	0.14
(1,888)	1:75:B:LEU:HD21	1:75:B:LEU:HA	13	0.14
(1,888)	1:75:B:LEU:HD22	1:75:B:LEU:HA	13	0.14
(1,888)	1:75:B:LEU:HD23	1:75:B:LEU:HA	13	0.14
(1,888)	1:75:B:LEU:HD21	1:75:B:LEU:HA	15	0.14
(1,888)	1:75:B:LEU:HD22	1:75:B:LEU:HA	15	0.14
(1,888)	1:75:B:LEU:HD23	1:75:B:LEU:HA	15	0.14
(1,885)	1:40:B:LEU:HD21	1:9:B:TRP:HZ3	10	0.14
(1,885)	1:40:B:LEU:HD22	1:9:B:TRP:HZ3	10	0.14
(1,885)	1:40:B:LEU:HD23	1:9:B:TRP:HZ3	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	7	0.14
(1,778)	1:128:B:ARG:H	1:128:B:ARG:HG3	10	0.14
(1,778)	1:128:B:ARG:H	1:128:B:ARG:HG2	19	0.14
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	13	0.14
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	13	0.14
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	13	0.14
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	17	0.14
(1,633)	1:100:B:HIS:H	1:96:B:ASP:HB2	9	0.14
(1,491)	1:77:B:THR:H	1:80:B:GLN:HB3	15	0.14
(1,474)	1:75:B:LEU:H	1:75:B:LEU:HG	7	0.14
(1,461)	1:73:B:ILE:H	1:73:B:ILE:HG13	9	0.14
(1,451)	1:68:B:ARG:H	1:70:B:GLY:H	10	0.14
(1,444)	1:67:B:GLN:HE21	1:33:B:VAL:HG11	9	0.14
(1,444)	1:67:B:GLN:HE21	1:33:B:VAL:HG12	9	0.14
(1,444)	1:67:B:GLN:HE21	1:33:B:VAL:HG13	9	0.14
(1,400)	1:63:B:VAL:H	1:63:B:VAL:HB	16	0.14
(1,252)	1:40:B:LEU:H	1:40:B:LEU:HB3	13	0.14
(1,248)	1:40:B:LEU:H	1:37:B:LEU:HA	18	0.14
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	17	0.14
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	17	0.14
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	17	0.14
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	19	0.14
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	19	0.14
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	19	0.14
(1,175)	1:30:B:GLN:HE22	1:30:B:GLN:HG2	4	0.14
(1,25)	1:8:B:THR:H	1:8:B:THR:HG21	13	0.14
(1,25)	1:8:B:THR:H	1:8:B:THR:HG22	13	0.14
(1,25)	1:8:B:THR:H	1:8:B:THR:HG23	13	0.14
(1,25)	1:8:B:THR:H	1:8:B:THR:HG21	18	0.14
(1,25)	1:8:B:THR:H	1:8:B:THR:HG22	18	0.14
(1,25)	1:8:B:THR:H	1:8:B:THR:HG23	18	0.14
(1,3)	1:102:B:MET:H	1:102:B:MET:HG3	16	0.14
(3,1903)	1:76:B:TRP:HZ3	1:114:B:ILE:HG22	6	0.13
(3,1867)	1:118:B:LEU:HD13	1:124:B:VAL:H	15	0.13
(3,1862)	1:6:B:ALA:HA	1:5:B:ARG:HB3	10	0.13
(3,1853)	1:9:B:TRP:HZ2	1:53:B:HIS:H	16	0.13
(3,1801)	1:15:B:ALA:HB3	1:14:B:GLU:HB2	16	0.13
(3,1757)	1:18:B:ARG:HD3	1:18:B:ARG:HA	1	0.13
(3,1757)	1:18:B:ARG:HD3	1:18:B:ARG:HA	10	0.13
(3,1757)	1:18:B:ARG:HD3	1:18:B:ARG:HA	19	0.13
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD13	4	0.13
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD12	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD12	10	0.13
(3,1635)	1:35:B:ALA:HB3	1:34:B:GLU:H	18	0.13
(3,1612)	1:75:B:LEU:HG	1:76:B:TRP:HD1	11	0.13
(3,1591)	1:39:B:HIS:HD2	1:40:B:LEU:HD12	20	0.13
(3,1575)	1:40:B:LEU:HD12	1:45:B:ARG:HD3	18	0.13
(3,1501)	1:69:B:LYS:HB2	1:69:B:LYS:HG3	15	0.13
(3,1473)	1:50:B:ILE:HD11	1:38:B:ALA:H	16	0.13
(3,1435)	1:51:B:ILE:HG23	1:48:B:LYS:HG2	15	0.13
(3,1376)	1:54:B:LEU:HD13	1:60:B:ALA:HB2	3	0.13
(3,1374)	1:54:B:LEU:HD13	1:53:B:HIS:HB2	16	0.13
(3,1360)	1:55:B:VAL:HG11	1:63:B:VAL:HB	6	0.13
(3,1313)	1:37:B:LEU:HD23	1:37:B:LEU:HB3	2	0.13
(3,1313)	1:37:B:LEU:HD21	1:47:B:ARG:HB3	3	0.13
(3,1313)	1:37:B:LEU:HD23	1:47:B:ARG:HB3	7	0.13
(3,1299)	1:42:B:THR:HG22	1:42:B:THR:HB	12	0.13
(3,1299)	1:42:B:THR:HG23	1:42:B:THR:HB	15	0.13
(3,1289)	1:31:B:ASP:HB2	1:30:B:GLN:HG2	6	0.13
(3,1287)	1:61:B:ASP:HB2	1:64:B:LYS:HB3	12	0.13
(3,1231)	1:71:B:THR:HA	1:71:B:THR:HB	7	0.13
(3,1214)	1:73:B:ILE:HG12	1:72:B:HIS:HB3	1	0.13
(3,1211)	1:73:B:ILE:HB	1:76:B:TRP:HB2	19	0.13
(3,1131)	1:72:B:HIS:HB3	1:73:B:ILE:HG12	1	0.13
(3,1097)	1:19:B:GLU:HG2	1:23:B:ALA:HB1	4	0.13
(3,1097)	1:83:B:GLU:HG3	1:105:B:ILE:HG13	15	0.13
(3,1087)	1:19:B:GLU:HA	1:22:B:LEU:HD11	8	0.13
(3,1076)	1:115:B:VAL:HG11	1:118:B:LEU:H	14	0.13
(3,1050)	1:82:B:LEU:HG	1:83:B:GLU:HG3	17	0.13
(3,1005)	1:83:B:GLU:HG2	1:86:B:ARG:H	10	0.13
(3,973)	1:66:B:PHE:HE2	1:63:B:VAL:HA	14	0.13
(3,956)	1:26:B:ASP:HB3	1:27:B:VAL:HG12	10	0.13
(3,929)	1:97:B:VAL:HG13	1:96:B:ASP:HB2	14	0.13
(3,927)	1:97:B:VAL:HG11	1:98:B:LEU:HG	1	0.13
(3,927)	1:97:B:VAL:HG12	1:98:B:LEU:HG	2	0.13
(3,894)	1:37:B:LEU:HD13	1:31:B:ASP:HB3	4	0.13
(3,894)	1:37:B:LEU:HD13	1:31:B:ASP:HB3	11	0.13
(3,837)	1:102:B:MET:HE3	1:111:B:ARG:HA	3	0.13
(3,828)	1:105:B:ILE:HG21	1:102:B:MET:HA	13	0.13
(3,808)	1:107:B:ALA:HB2	1:109:B:ARG:HD2	6	0.13
(3,780)	1:73:B:ILE:HG13	1:73:B:ILE:HD13	10	0.13
(3,780)	1:123:B:LEU:HG	1:123:B:LEU:HD12	16	0.13
(3,749)	1:114:B:ILE:HD11	1:118:B:LEU:HD23	4	0.13
(3,747)	1:114:B:ILE:HD13	1:105:B:ILE:HG12	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,747)	1:114:B:ILE:HD11	1:105:B:ILE:HG12	7	0.13
(3,727)	1:114:B:ILE:HG12	1:98:B:LEU:HG	5	0.13
(3,727)	1:114:B:ILE:HG12	1:111:B:ARG:HG2	19	0.13
(3,696)	1:97:B:VAL:HG21	1:92:B:ARG:HA	6	0.13
(3,682)	1:115:B:VAL:HG13	1:127:B:ARG:HB3	8	0.13
(3,677)	1:115:B:VAL:HB	1:119:B:LEU:HD23	15	0.13
(3,676)	1:97:B:VAL:HB	1:97:B:VAL:HG21	5	0.13
(3,623)	1:119:B:LEU:HD21	1:119:B:LEU:HG	8	0.13
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	11	0.13
(3,623)	1:119:B:LEU:HD21	1:119:B:LEU:HG	12	0.13
(3,623)	1:119:B:LEU:HD21	1:119:B:LEU:HG	14	0.13
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	17	0.13
(3,591)	1:20:B:LEU:HD21	1:40:B:LEU:H	2	0.13
(3,572)	1:55:B:VAL:HG22	1:57:B:MET:H	13	0.13
(3,572)	1:55:B:VAL:HG21	1:57:B:MET:H	14	0.13
(3,556)	1:124:B:VAL:HG23	1:130:B:LEU:H	8	0.13
(3,533)	1:126:B:GLU:HG3	1:128:B:ARG:HG2	3	0.13
(3,532)	1:126:B:GLU:HG2	1:128:B:ARG:HG2	7	0.13
(3,491)	1:130:B:LEU:HD11	1:116:B:ASP:H	3	0.13
(3,488)	1:82:B:LEU:HB3	1:85:B:GLN:HB3	18	0.13
(3,485)	1:131:B:TYR:HE2	1:130:B:LEU:HB2	1	0.13
(3,484)	1:131:B:TYR:HE1	1:127:B:ARG:HG3	8	0.13
(3,449)	1:134:B:ARG:HD3	1:134:B:ARG:HG2	18	0.13
(3,449)	1:128:B:ARG:HD3	1:128:B:ARG:HG2	20	0.13
(3,448)	1:128:B:ARG:HD3	1:128:B:ARG:HB2	11	0.13
(3,448)	1:111:B:ARG:HD3	1:111:B:ARG:HB3	12	0.13
(3,448)	1:128:B:ARG:HD3	1:128:B:ARG:HB3	18	0.13
(3,446)	1:134:B:ARG:HB3	1:134:B:ARG:HG2	20	0.13
(3,428)	1:4:B:ARG:HA	1:4:B:ARG:HG2	20	0.13
(3,415)	1:137:B:LYS:HB3	1:137:B:LYS:HG2	1	0.13
(3,415)	1:132:B:LYS:HB3	1:132:B:LYS:HG2	7	0.13
(3,413)	1:137:B:LYS:HG2	1:137:B:LYS:HB3	1	0.13
(3,413)	1:132:B:LYS:HG2	1:132:B:LYS:HB3	7	0.13
(3,404)	1:133:B:LYS:HD3	1:133:B:LYS:HE2	4	0.13
(3,403)	1:133:B:LYS:HD3	1:133:B:LYS:HE2	4	0.13
(3,400)	1:64:B:LYS:HE3	1:64:B:LYS:HD2	2	0.13
(3,399)	1:133:B:LYS:HE2	1:133:B:LYS:HD3	4	0.13
(3,397)	1:25:B:LYS:HE2	1:25:B:LYS:HD2	9	0.13
(3,376)	1:98:B:LEU:HD11	1:115:B:VAL:HA	18	0.13
(3,374)	1:134:B:ARG:HG2	1:134:B:ARG:HD3	18	0.13
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	3	0.13
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	15	0.13
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	20	0.13
(3,339)	1:3:B:SER:HB2	1:4:B:ARG:HG2	8	0.13
(3,325)	1:141:B:SER:H	1:124:B:VAL:HB	18	0.13
(3,305)	1:129:B:GLU:H	1:133:B:LYS:HG3	2	0.13
(3,180)	1:69:B:LYS:H	1:63:B:VAL:HG12	17	0.13
(3,163)	1:76:B:TRP:HE1	1:73:B:ILE:HB	16	0.13
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG23	15	0.13
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	13	0.13
(2,33)	1:74:B:VAL:HG21	1:114:B:ILE:HG12	13	0.13
(2,33)	1:74:B:VAL:HG22	1:114:B:ILE:HG12	13	0.13
(2,33)	1:74:B:VAL:HG23	1:114:B:ILE:HG12	13	0.13
(2,15)	1:111:B:ARG:HE	1:101:B:ILE:HB	3	0.13
(2,15)	1:111:B:ARG:HE	1:101:B:ILE:HB	4	0.13
(2,15)	1:111:B:ARG:HE	1:101:B:ILE:HB	14	0.13
(2,11)	1:110:B:SER:H	1:74:B:VAL:HB	4	0.13
(2,10)	1:104:B:ASN:H	1:100:B:HIS:H	6	0.13
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	8	0.13
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	15	0.13
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	8	0.13
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	17	0.13
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	2	0.13
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	4	0.13
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	16	0.13
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	18	0.13
(1,2687)	1:6:B:ALA:HB1	1:49:B:GLN:HE22	14	0.13
(1,2687)	1:6:B:ALA:HB2	1:49:B:GLN:HE22	14	0.13
(1,2687)	1:6:B:ALA:HB3	1:49:B:GLN:HE22	14	0.13
(1,2651)	1:9:B:TRP:HZ2	1:49:B:GLN:HG2	16	0.13
(1,2638)	1:10:B:SER:HB3	1:11:B:PRO:HG3	1	0.13
(1,2638)	1:10:B:SER:HB3	1:11:B:PRO:HG3	7	0.13
(1,2592)	1:15:B:ALA:HB2	1:57:B:MET:HE3	18	0.13
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	15	0.13
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	15	0.13
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	15	0.13
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE1	9	0.13
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE2	9	0.13
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE3	9	0.13
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE1	9	0.13
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE2	9	0.13
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE3	9	0.13
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE1	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE2	9	0.13
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE3	9	0.13
(1,2535)	1:21:B:TYR:HE1	1:54:B:LEU:HD11	10	0.13
(1,2535)	1:21:B:TYR:HE1	1:54:B:LEU:HD12	10	0.13
(1,2535)	1:21:B:TYR:HE1	1:54:B:LEU:HD13	10	0.13
(1,2535)	1:21:B:TYR:HE2	1:54:B:LEU:HD11	10	0.13
(1,2535)	1:21:B:TYR:HE2	1:54:B:LEU:HD12	10	0.13
(1,2535)	1:21:B:TYR:HE2	1:54:B:LEU:HD13	10	0.13
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD11	18	0.13
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD12	18	0.13
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD13	18	0.13
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD11	18	0.13
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD12	18	0.13
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD13	18	0.13
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD11	18	0.13
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD12	18	0.13
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD13	18	0.13
(1,2324)	1:131:B:TYR:HB2	1:128:B:ARG:HG3	15	0.13
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	6	0.13
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	6	0.13
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	6	0.13
(1,2197)	1:49:B:GLN:HG2	1:45:B:ARG:HG3	9	0.13
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG11	1	0.13
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG12	1	0.13
(1,2169)	1:127:B:ARG:HG3	1:124:B:VAL:HG13	1	0.13
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	7	0.13
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	7	0.13
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	7	0.13
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	18	0.13
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	18	0.13
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	18	0.13
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	3	0.13
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG21	10	0.13
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG22	10	0.13
(1,2047)	1:30:B:GLN:HG2	1:27:B:VAL:HG23	10	0.13
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD1	14	0.13
(1,1971)	1:25:B:LYS:HG2	1:25:B:LYS:HE2	1	0.13
(1,1971)	1:25:B:LYS:HG2	1:25:B:LYS:HE2	18	0.13
(1,1957)	1:61:B:ASP:HA	1:62:B:SER:HB3	17	0.13
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG21	3	0.13
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG22	3	0.13
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG23	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG21	13	0.13
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG22	13	0.13
(1,1951)	1:62:B:SER:HB3	1:51:B:ILE:HG23	13	0.13
(1,1938)	1:63:B:VAL:HG21	1:67:B:GLN:H	2	0.13
(1,1938)	1:63:B:VAL:HG22	1:67:B:GLN:H	2	0.13
(1,1938)	1:63:B:VAL:HG23	1:67:B:GLN:H	2	0.13
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	16	0.13
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG22	7	0.13
(1,1864)	1:72:B:HIS:HA	1:73:B:ILE:HG21	20	0.13
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	14	0.13
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	14	0.13
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	14	0.13
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD1	16	0.13
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD2	16	0.13
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD1	20	0.13
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD2	20	0.13
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB1	17	0.13
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB2	17	0.13
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB3	17	0.13
(1,1734)	1:85:B:GLN:HG3	1:88:B:PHE:HB3	12	0.13
(1,1729)	1:85:B:GLN:HG3	1:123:B:LEU:HD22	3	0.13
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD11	9	0.13
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD12	9	0.13
(1,1727)	1:85:B:GLN:HG3	1:82:B:LEU:HD13	9	0.13
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD11	2	0.13
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD12	2	0.13
(1,1598)	1:79:B:ASP:HB3	1:82:B:LEU:HD13	2	0.13
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	12	0.13
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	12	0.13
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	12	0.13
(1,1531)	1:97:B:VAL:HG11	1:88:B:PHE:HE1	8	0.13
(1,1531)	1:97:B:VAL:HG11	1:88:B:PHE:HE2	8	0.13
(1,1531)	1:97:B:VAL:HG12	1:88:B:PHE:HE1	8	0.13
(1,1531)	1:97:B:VAL:HG12	1:88:B:PHE:HE2	8	0.13
(1,1531)	1:97:B:VAL:HG13	1:88:B:PHE:HE1	8	0.13
(1,1531)	1:97:B:VAL:HG13	1:88:B:PHE:HE2	8	0.13
(1,1531)	1:97:B:VAL:HG11	1:88:B:PHE:HE1	10	0.13
(1,1531)	1:97:B:VAL:HG11	1:88:B:PHE:HE2	10	0.13
(1,1531)	1:97:B:VAL:HG12	1:88:B:PHE:HE1	10	0.13
(1,1531)	1:97:B:VAL:HG12	1:88:B:PHE:HE2	10	0.13
(1,1531)	1:97:B:VAL:HG13	1:88:B:PHE:HE1	10	0.13
(1,1531)	1:97:B:VAL:HG13	1:88:B:PHE:HE2	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:102:B:MET:HE1	1:108:B:LYS:HE3	12	0.13
(1,1447)	1:102:B:MET:HE2	1:108:B:LYS:HE3	12	0.13
(1,1447)	1:102:B:MET:HE3	1:108:B:LYS:HE3	12	0.13
(1,1443)	1:102:B:MET:HE1	1:103:B:LYS:H	2	0.13
(1,1443)	1:102:B:MET:HE2	1:103:B:LYS:H	2	0.13
(1,1443)	1:102:B:MET:HE3	1:103:B:LYS:H	2	0.13
(1,1375)	1:107:B:ALA:HB1	1:80:B:GLN:HE21	18	0.13
(1,1375)	1:107:B:ALA:HB2	1:80:B:GLN:HE21	18	0.13
(1,1375)	1:107:B:ALA:HB3	1:80:B:GLN:HE21	18	0.13
(1,1311)	1:110:B:SER:HA	1:102:B:MET:HG3	17	0.13
(1,1304)	1:113:B:ARG:HD2	1:114:B:ILE:HA	5	0.13
(1,1304)	1:113:B:ARG:HD2	1:114:B:ILE:HA	19	0.13
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	13	0.13
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	13	0.13
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	13	0.13
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	17	0.13
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	17	0.13
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	17	0.13
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	19	0.13
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	19	0.13
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	19	0.13
(1,1225)	1:63:B:VAL:HG11	1:51:B:ILE:HG21	16	0.13
(1,1225)	1:63:B:VAL:HG11	1:51:B:ILE:HG22	16	0.13
(1,1225)	1:63:B:VAL:HG11	1:51:B:ILE:HG23	16	0.13
(1,1225)	1:63:B:VAL:HG12	1:51:B:ILE:HG21	16	0.13
(1,1225)	1:63:B:VAL:HG12	1:51:B:ILE:HG22	16	0.13
(1,1225)	1:63:B:VAL:HG12	1:51:B:ILE:HG23	16	0.13
(1,1225)	1:63:B:VAL:HG13	1:51:B:ILE:HG21	16	0.13
(1,1225)	1:63:B:VAL:HG13	1:51:B:ILE:HG22	16	0.13
(1,1225)	1:63:B:VAL:HG13	1:51:B:ILE:HG23	16	0.13
(1,1224)	1:87:B:LEU:HD11	1:101:B:ILE:HA	15	0.13
(1,1224)	1:87:B:LEU:HD12	1:101:B:ILE:HA	15	0.13
(1,1224)	1:87:B:LEU:HD13	1:101:B:ILE:HA	15	0.13
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG11	7	0.13
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG12	7	0.13
(1,1203)	1:68:B:ARG:HA	1:63:B:VAL:HG13	7	0.13
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	4	0.13
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	4	0.13
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	4	0.13
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	4	0.13
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	4	0.13
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	4	0.13
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	4	0.13
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	4	0.13
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	9	0.13
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	9	0.13
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	9	0.13
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	9	0.13
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	9	0.13
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	9	0.13
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	9	0.13
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	9	0.13
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	9	0.13
(1,1077)	1:124:B:VAL:HG11	1:118:B:LEU:H	19	0.13
(1,1077)	1:124:B:VAL:HG12	1:118:B:LEU:H	19	0.13
(1,1077)	1:124:B:VAL:HG13	1:118:B:LEU:H	19	0.13
(1,993)	1:129:B:GLU:HB3	1:124:B:VAL:HG21	3	0.13
(1,993)	1:129:B:GLU:HB3	1:124:B:VAL:HG22	3	0.13
(1,993)	1:129:B:GLU:HB3	1:124:B:VAL:HG23	3	0.13
(1,888)	1:75:B:LEU:HD21	1:75:B:LEU:HA	14	0.13
(1,888)	1:75:B:LEU:HD22	1:75:B:LEU:HA	14	0.13
(1,888)	1:75:B:LEU:HD23	1:75:B:LEU:HA	14	0.13
(1,859)	1:63:B:VAL:HA	1:66:B:PHE:HD1	12	0.13
(1,859)	1:63:B:VAL:HA	1:66:B:PHE:HD2	12	0.13
(1,807)	1:135:B:GLN:HE21	1:135:B:GLN:HA	13	0.13
(1,778)	1:128:B:ARG:H	1:128:B:ARG:HG2	4	0.13
(1,778)	1:128:B:ARG:H	1:128:B:ARG:HG3	7	0.13
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG11	4	0.13
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG12	4	0.13
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG13	4	0.13
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	11	0.13
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	11	0.13
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	11	0.13
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	18	0.13
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	18	0.13
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	18	0.13
(1,645)	1:103:B:LYS:H	1:103:B:LYS:HG3	4	0.13
(1,615)	1:96:B:ASP:H	1:97:B:VAL:HG11	12	0.13
(1,615)	1:96:B:ASP:H	1:97:B:VAL:HG12	12	0.13
(1,615)	1:96:B:ASP:H	1:97:B:VAL:HG13	12	0.13
(1,608)	1:94:B:SER:H	1:91:B:PHE:HA	5	0.13
(1,594)	1:93:B:ASP:H	1:93:B:ASP:HB2	10	0.13
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:68:B:ARG:H	1:70:B:GLY:H	9	0.13
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	1	0.13
(1,317)	1:51:B:ILE:H	1:49:B:GLN:HG3	16	0.13
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD11	5	0.13
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD12	5	0.13
(1,243)	1:39:B:HIS:H	1:37:B:LEU:HD13	5	0.13
(1,169)	1:30:B:GLN:HE21	1:30:B:GLN:HG2	11	0.13
(3,1794)	1:16:B:HIS:HD2	1:40:B:LEU:HG	14	0.12
(3,1773)	1:17:B:LEU:HD11	1:40:B:LEU:H	16	0.12
(3,1757)	1:18:B:ARG:HD3	1:18:B:ARG:HA	7	0.12
(3,1757)	1:18:B:ARG:HD3	1:18:B:ARG:HA	14	0.12
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD13	8	0.12
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD13	9	0.12
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD11	14	0.12
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD11	20	0.12
(3,1635)	1:35:B:ALA:HB2	1:34:B:GLU:H	9	0.12
(3,1628)	1:35:B:ALA:HB1	1:32:B:VAL:HG23	7	0.12
(3,1595)	1:38:B:ALA:HB1	1:37:B:LEU:HB3	8	0.12
(3,1578)	1:98:B:LEU:HD12	1:97:B:VAL:H	17	0.12
(3,1560)	1:41:B:ASN:HB2	1:40:B:LEU:HB3	10	0.12
(3,1510)	1:48:B:LYS:HD2	1:52:B:HIS:H	11	0.12
(3,1501)	1:132:B:LYS:HB2	1:132:B:LYS:HG3	6	0.12
(3,1501)	1:69:B:LYS:HB3	1:69:B:LYS:HG3	11	0.12
(3,1441)	1:51:B:ILE:HD12	1:47:B:ARG:HB3	7	0.12
(3,1434)	1:51:B:ILE:HG22	1:54:B:LEU:HB3	3	0.12
(3,1434)	1:51:B:ILE:HG23	1:54:B:LEU:HB3	5	0.12
(3,1322)	1:37:B:LEU:HD23	1:48:B:LYS:H	10	0.12
(3,1322)	1:37:B:LEU:HD23	1:48:B:LYS:H	15	0.12
(3,1234)	1:46:B:THR:HG21	1:47:B:ARG:HD3	17	0.12
(3,1232)	1:8:B:THR:HB	1:7:B:PRO:HB2	1	0.12
(3,1201)	1:73:B:ILE:HB	1:76:B:TRP:H	8	0.12
(3,1149)	1:52:B:HIS:HB3	1:56:B:GLN:HA	16	0.12
(3,1148)	1:76:B:TRP:HZ2	1:117:B:LYS:HA	15	0.12
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG21	12	0.12
(3,1108)	1:40:B:LEU:HD23	1:42:B:THR:H	20	0.12
(3,1100)	1:34:B:GLU:HG2	1:37:B:LEU:HB2	2	0.12
(3,1075)	1:17:B:LEU:HD12	1:19:B:GLU:H	1	0.12
(3,1075)	1:17:B:LEU:HD11	1:19:B:GLU:H	5	0.12
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	2	0.12
(3,929)	1:97:B:VAL:HG13	1:96:B:ASP:HB2	2	0.12
(3,917)	1:98:B:LEU:HD23	1:114:B:ILE:H	5	0.12
(3,901)	1:98:B:LEU:HD21	1:98:B:LEU:HB2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,901)	1:98:B:LEU:HD21	1:98:B:LEU:HB2	11	0.12
(3,877)	1:100:B:HIS:HD2	1:99:B:GLY:H	14	0.12
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB2	14	0.12
(3,846)	1:19:B:GLU:HA	1:23:B:ALA:HB1	18	0.12
(3,811)	1:107:B:ALA:HB3	1:108:B:LYS:HB2	15	0.12
(3,785)	1:109:B:ARG:HG2	1:113:B:ARG:HB3	18	0.12
(3,780)	1:73:B:ILE:HG13	1:73:B:ILE:HD13	7	0.12
(3,780)	1:73:B:ILE:HG13	1:73:B:ILE:HG22	13	0.12
(3,776)	1:73:B:ILE:HG13	1:73:B:ILE:H	4	0.12
(3,748)	1:114:B:ILE:HD13	1:109:B:ARG:HB3	19	0.12
(3,745)	1:114:B:ILE:HD13	1:113:B:ARG:HD2	11	0.12
(3,744)	1:114:B:ILE:HD12	1:101:B:ILE:HA	2	0.12
(3,670)	1:115:B:VAL:HA	1:130:B:LEU:HD13	16	0.12
(3,669)	1:115:B:VAL:HA	1:130:B:LEU:HB2	15	0.12
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	1	0.12
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	2	0.12
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	6	0.12
(3,623)	1:119:B:LEU:HD22	1:119:B:LEU:HG	18	0.12
(3,608)	1:112:B:ALA:HA	1:115:B:VAL:HA	6	0.12
(3,598)	1:84:B:LEU:HD21	1:114:B:ILE:HB	9	0.12
(3,449)	1:128:B:ARG:HD2	1:128:B:ARG:HG2	3	0.12
(3,449)	1:4:B:ARG:HD3	1:4:B:ARG:HG2	17	0.12
(3,449)	1:128:B:ARG:HD2	1:128:B:ARG:HG2	19	0.12
(3,446)	1:134:B:ARG:HB3	1:134:B:ARG:HG2	8	0.12
(3,415)	1:137:B:LYS:HB3	1:137:B:LYS:HG2	18	0.12
(3,413)	1:137:B:LYS:HG2	1:137:B:LYS:HB3	18	0.12
(3,384)	1:40:B:LEU:HD23	1:13:B:GLU:HG3	4	0.12
(3,383)	1:4:B:ARG:HG3	1:4:B:ARG:HB2	20	0.12
(3,375)	1:128:B:ARG:HG2	1:128:B:ARG:HD2	3	0.12
(3,375)	1:4:B:ARG:HG2	1:4:B:ARG:HD3	17	0.12
(3,375)	1:128:B:ARG:HG2	1:128:B:ARG:HD2	19	0.12
(3,374)	1:4:B:ARG:HG2	1:4:B:ARG:HD3	17	0.12
(3,354)	1:82:B:LEU:HD22	1:83:B:GLU:H	15	0.12
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	4	0.12
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	5	0.12
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	7	0.12
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	8	0.12
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	11	0.12
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	13	0.12
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	14	0.12
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	17	0.12
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,289)	1:123:B:LEU:H	1:119:B:LEU:HD12	9	0.12
(3,270)	1:118:B:LEU:H	1:114:B:ILE:HG21	7	0.12
(3,261)	1:117:B:LYS:H	1:84:B:LEU:HD11	13	0.12
(3,162)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	16	0.12
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG21	5	0.12
(3,148)	1:67:B:GLN:H	1:51:B:ILE:HB	11	0.12
(3,108)	1:53:B:HIS:H	1:54:B:LEU:HB3	14	0.12
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG21	12	0.12
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD11	12	0.12
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD12	12	0.12
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD13	12	0.12
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD11	18	0.12
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD12	18	0.12
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD13	18	0.12
(2,15)	1:111:B:ARG:HE	1:101:B:ILE:HB	10	0.12
(2,5)	1:59:B:LEU:H	1:56:B:GLN:HA	19	0.12
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	4	0.12
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	5	0.12
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	10	0.12
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	3	0.12
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	8	0.12
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	9	0.12
(1,2701)	1:118:B:LEU:HD11	1:88:B:PHE:HB3	13	0.12
(1,2701)	1:118:B:LEU:HD12	1:88:B:PHE:HB3	13	0.12
(1,2701)	1:118:B:LEU:HD13	1:88:B:PHE:HB3	13	0.12
(1,2687)	1:6:B:ALA:HB1	1:49:B:GLN:HE22	5	0.12
(1,2687)	1:6:B:ALA:HB2	1:49:B:GLN:HE22	5	0.12
(1,2687)	1:6:B:ALA:HB3	1:49:B:GLN:HE22	5	0.12
(1,2683)	1:6:B:ALA:HB1	1:7:B:PRO:HD2	6	0.12
(1,2683)	1:6:B:ALA:HB2	1:7:B:PRO:HD2	6	0.12
(1,2683)	1:6:B:ALA:HB3	1:7:B:PRO:HD2	6	0.12
(1,2662)	1:42:B:THR:HG21	1:44:B:PRO:HD2	18	0.12
(1,2662)	1:42:B:THR:HG22	1:44:B:PRO:HD2	18	0.12
(1,2662)	1:42:B:THR:HG23	1:44:B:PRO:HD2	18	0.12
(1,2658)	1:8:B:THR:HB	1:9:B:TRP:HD1	15	0.12
(1,2652)	1:9:B:TRP:HZ2	1:13:B:GLU:HG2	16	0.12
(1,2601)	1:14:B:GLU:HA	1:53:B:HIS:HD2	3	0.12
(1,2591)	1:15:B:ALA:HB1	1:19:B:GLU:HB2	9	0.12
(1,2591)	1:15:B:ALA:HB2	1:19:B:GLU:HB2	9	0.12
(1,2591)	1:15:B:ALA:HB3	1:19:B:GLU:HB2	9	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	1	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	1	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	2	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	2	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	2	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	13	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	13	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	13	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	14	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	14	0.12
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	14	0.12
(1,2568)	1:17:B:LEU:HD21	1:9:B:TRP:HZ2	1	0.12
(1,2568)	1:17:B:LEU:HD22	1:9:B:TRP:HZ2	1	0.12
(1,2568)	1:17:B:LEU:HD23	1:9:B:TRP:HZ2	1	0.12
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE1	14	0.12
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE2	14	0.12
(1,2559)	1:17:B:LEU:HD21	1:57:B:MET:HE3	14	0.12
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE1	14	0.12
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE2	14	0.12
(1,2559)	1:17:B:LEU:HD22	1:57:B:MET:HE3	14	0.12
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE1	14	0.12
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE2	14	0.12
(1,2559)	1:17:B:LEU:HD23	1:57:B:MET:HE3	14	0.12
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	13	0.12
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	13	0.12
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	13	0.12
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	13	0.12
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	13	0.12
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	13	0.12
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	13	0.12
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	13	0.12
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	13	0.12
(1,2355)	1:39:B:HIS:HD2	1:20:B:LEU:HG	15	0.12
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG21	20	0.12
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG22	20	0.12
(1,2285)	1:43:B:VAL:HG11	1:42:B:THR:HG23	20	0.12
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG21	20	0.12
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG22	20	0.12
(1,2285)	1:43:B:VAL:HG12	1:42:B:THR:HG23	20	0.12
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG21	20	0.12
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG22	20	0.12
(1,2285)	1:43:B:VAL:HG13	1:42:B:THR:HG23	20	0.12
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD11	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD12	13	0.12
(1,2251)	1:44:B:PRO:HA	1:50:B:ILE:HD13	13	0.12
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG21	5	0.12
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG22	5	0.12
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG23	5	0.12
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG21	5	0.12
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG22	5	0.12
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG23	5	0.12
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG21	5	0.12
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG22	5	0.12
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG23	5	0.12
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	5	0.12
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	5	0.12
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	5	0.12
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	13	0.12
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	13	0.12
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	13	0.12
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	17	0.12
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	17	0.12
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	17	0.12
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	20	0.12
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	20	0.12
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	20	0.12
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	1	0.12
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD21	10	0.12
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD22	10	0.12
(1,2018)	1:57:B:MET:HA	1:54:B:LEU:HD23	10	0.12
(1,1995)	1:37:B:LEU:HD21	1:50:B:ILE:HB	12	0.12
(1,1995)	1:37:B:LEU:HD22	1:50:B:ILE:HB	12	0.12
(1,1995)	1:37:B:LEU:HD23	1:50:B:ILE:HB	12	0.12
(1,1971)	1:25:B:LYS:HG2	1:25:B:LYS:HE2	4	0.12
(1,1969)	1:42:B:THR:HG21	1:13:B:GLU:HG3	14	0.12
(1,1969)	1:42:B:THR:HG22	1:13:B:GLU:HG3	14	0.12
(1,1969)	1:42:B:THR:HG23	1:13:B:GLU:HG3	14	0.12
(1,1943)	1:62:B:SER:HB3	1:63:B:VAL:H	7	0.12
(1,1920)	1:30:B:GLN:HB3	1:30:B:GLN:HE21	6	0.12
(1,1900)	1:65:B:ASP:HB3	1:64:B:LYS:HB3	2	0.12
(1,1823)	1:74:B:VAL:HG21	1:109:B:ARG:HG2	2	0.12
(1,1823)	1:74:B:VAL:HG22	1:109:B:ARG:HG2	2	0.12
(1,1823)	1:74:B:VAL:HG23	1:109:B:ARG:HG2	2	0.12
(1,1814)	1:74:B:VAL:HG21	1:113:B:ARG:HD3	20	0.12
(1,1814)	1:74:B:VAL:HG22	1:113:B:ARG:HD3	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1814)	1:74:B:VAL:HG23	1:113:B:ARG:HD3	20	0.12
(1,1738)	1:85:B:GLN:HG3	1:85:B:GLN:HA	7	0.12
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD11	2	0.12
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD12	2	0.12
(1,1728)	1:85:B:GLN:HG3	1:123:B:LEU:HD13	2	0.12
(1,1701)	1:12:B:GLU:HA	1:12:B:GLU:HG3	4	0.12
(1,1695)	1:127:B:ARG:HD2	1:116:B:ASP:H	13	0.12
(1,1657)	1:67:B:GLN:HB3	1:67:B:GLN:HG2	16	0.12
(1,1624)	1:90:B:GLU:HG2	1:89:B:GLU:HG2	20	0.12
(1,1557)	1:92:B:ARG:HD2	1:89:B:GLU:HB3	11	0.12
(1,1534)	1:97:B:VAL:HG11	1:88:B:PHE:H	20	0.12
(1,1534)	1:97:B:VAL:HG12	1:88:B:PHE:H	20	0.12
(1,1534)	1:97:B:VAL:HG13	1:88:B:PHE:H	20	0.12
(1,1451)	1:102:B:MET:HE1	1:111:B:ARG:HG3	17	0.12
(1,1451)	1:102:B:MET:HE2	1:111:B:ARG:HG3	17	0.12
(1,1451)	1:102:B:MET:HE3	1:111:B:ARG:HG3	17	0.12
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	9	0.12
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	9	0.12
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	9	0.12
(1,1444)	1:102:B:MET:HG2	1:102:B:MET:H	5	0.12
(1,1444)	1:102:B:MET:HG2	1:102:B:MET:H	9	0.12
(1,1444)	1:102:B:MET:HG2	1:102:B:MET:H	14	0.12
(1,1443)	1:102:B:MET:HE1	1:103:B:LYS:H	9	0.12
(1,1443)	1:102:B:MET:HE2	1:103:B:LYS:H	9	0.12
(1,1443)	1:102:B:MET:HE3	1:103:B:LYS:H	9	0.12
(1,1443)	1:102:B:MET:HE1	1:103:B:LYS:H	18	0.12
(1,1443)	1:102:B:MET:HE2	1:103:B:LYS:H	18	0.12
(1,1443)	1:102:B:MET:HE3	1:103:B:LYS:H	18	0.12
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD11	17	0.12
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD12	17	0.12
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD13	17	0.12
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD11	19	0.12
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD12	19	0.12
(1,1429)	1:104:B:ASN:HB3	1:87:B:LEU:HD13	19	0.12
(1,1425)	1:103:B:LYS:HE3	1:103:B:LYS:H	14	0.12
(1,1388)	1:106:B:THR:HG21	1:80:B:GLN:HG2	18	0.12
(1,1388)	1:106:B:THR:HG22	1:80:B:GLN:HG2	18	0.12
(1,1388)	1:106:B:THR:HG23	1:80:B:GLN:HG2	18	0.12
(1,1386)	1:106:B:THR:HG21	1:108:B:LYS:HE3	5	0.12
(1,1386)	1:106:B:THR:HG22	1:108:B:LYS:HE3	5	0.12
(1,1386)	1:106:B:THR:HG23	1:108:B:LYS:HE3	5	0.12
(1,1311)	1:110:B:SER:HA	1:102:B:MET:HG3	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:110:B:SER:HA	1:102:B:MET:HG3	20	0.12
(1,1304)	1:113:B:ARG:HD2	1:114:B:ILE:HA	11	0.12
(1,1271)	1:114:B:ILE:HG12	1:76:B:TRP:HH2	14	0.12
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD11	12	0.12
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD12	12	0.12
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD13	12	0.12
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD11	12	0.12
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD12	12	0.12
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD13	12	0.12
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD11	12	0.12
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD12	12	0.12
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD13	12	0.12
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	5	0.12
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	5	0.12
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	5	0.12
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	6	0.12
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	6	0.12
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	6	0.12
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	16	0.12
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	16	0.12
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	16	0.12
(1,1232)	1:27:B:VAL:HG11	1:24:B:ASN:HB2	20	0.12
(1,1232)	1:27:B:VAL:HG12	1:24:B:ASN:HB2	20	0.12
(1,1232)	1:27:B:VAL:HG13	1:24:B:ASN:HB2	20	0.12
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	6	0.12
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	7	0.12
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	12	0.12
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	13	0.12
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	19	0.12
(1,1175)	1:119:B:LEU:HD11	1:118:B:LEU:H	16	0.12
(1,1175)	1:119:B:LEU:HD12	1:118:B:LEU:H	16	0.12
(1,1175)	1:119:B:LEU:HD13	1:118:B:LEU:H	16	0.12
(1,1170)	1:59:B:LEU:HD11	1:21:B:TYR:HB3	8	0.12
(1,1170)	1:59:B:LEU:HD12	1:21:B:TYR:HB3	8	0.12
(1,1170)	1:59:B:LEU:HD13	1:21:B:TYR:HB3	8	0.12
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD21	2	0.12
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD22	2	0.12
(1,1155)	1:120:B:ALA:HB1	1:121:B:LEU:HD23	2	0.12
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD21	2	0.12
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD22	2	0.12
(1,1155)	1:120:B:ALA:HB2	1:121:B:LEU:HD23	2	0.12
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD21	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD22	2	0.12
(1,1155)	1:120:B:ALA:HB3	1:121:B:LEU:HD23	2	0.12
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	5	0.12
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	5	0.12
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	5	0.12
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	11	0.12
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	11	0.12
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	11	0.12
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	11	0.12
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	11	0.12
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	11	0.12
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	11	0.12
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	11	0.12
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	11	0.12
(1,1076)	1:124:B:VAL:HG11	1:115:B:VAL:HA	3	0.12
(1,1076)	1:124:B:VAL:HG12	1:115:B:VAL:HA	3	0.12
(1,1076)	1:124:B:VAL:HG13	1:115:B:VAL:HA	3	0.12
(1,919)	1:133:B:LYS:HB2	1:134:B:ARG:HD2	17	0.12
(1,888)	1:75:B:LEU:HD21	1:75:B:LEU:HA	8	0.12
(1,888)	1:75:B:LEU:HD22	1:75:B:LEU:HA	8	0.12
(1,888)	1:75:B:LEU:HD23	1:75:B:LEU:HA	8	0.12
(1,888)	1:75:B:LEU:HD21	1:75:B:LEU:HA	12	0.12
(1,888)	1:75:B:LEU:HD22	1:75:B:LEU:HA	12	0.12
(1,888)	1:75:B:LEU:HD23	1:75:B:LEU:HA	12	0.12
(1,888)	1:75:B:LEU:HD21	1:75:B:LEU:HA	18	0.12
(1,888)	1:75:B:LEU:HD22	1:75:B:LEU:HA	18	0.12
(1,888)	1:75:B:LEU:HD23	1:75:B:LEU:HA	18	0.12
(1,807)	1:135:B:GLN:HE21	1:135:B:GLN:HA	18	0.12
(1,789)	1:130:B:LEU:H	1:130:B:LEU:HB2	15	0.12
(1,778)	1:128:B:ARG:H	1:128:B:ARG:HG2	17	0.12
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG11	9	0.12
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG12	9	0.12
(1,760)	1:124:B:VAL:H	1:124:B:VAL:HG13	9	0.12
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	2	0.12
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	2	0.12
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	2	0.12
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	6	0.12
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	6	0.12
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	6	0.12
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	19	0.12
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	19	0.12
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:109:B:ARG:H	1:105:B:ILE:HG23	17	0.12
(1,670)	1:107:B:ALA:H	1:105:B:ILE:HG13	2	0.12
(1,662)	1:106:B:THR:H	1:105:B:ILE:HG13	12	0.12
(1,611)	1:95:B:ASP:H	1:94:B:SER:HB3	16	0.12
(1,491)	1:77:B:THR:H	1:80:B:GLN:HB3	5	0.12
(1,491)	1:77:B:THR:H	1:80:B:GLN:HB3	9	0.12
(1,491)	1:77:B:THR:H	1:80:B:GLN:HB3	12	0.12
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	16	0.12
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	20	0.12
(1,462)	1:73:B:ILE:H	1:72:B:HIS:HA	5	0.12
(1,435)	1:67:B:GLN:H	1:66:B:PHE:H	20	0.12
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	18	0.12
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG11	5	0.12
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG12	5	0.12
(1,171)	1:30:B:GLN:HE21	1:27:B:VAL:HG13	5	0.12
(1,169)	1:30:B:GLN:HE21	1:30:B:GLN:HG2	2	0.12
(1,15)	1:6:B:ALA:H	1:5:B:ARG:HG3	6	0.12
(3,1911)	1:109:B:ARG:HD2	1:110:B:SER:H	19	0.11
(3,1885)	1:84:B:LEU:HD13	1:84:B:LEU:HB3	17	0.11
(3,1863)	1:6:B:ALA:HB2	1:7:B:PRO:HG2	15	0.11
(3,1814)	1:135:B:GLN:HB3	1:136:B:LYS:HE2	5	0.11
(3,1801)	1:15:B:ALA:HB2	1:14:B:GLU:HB2	18	0.11
(3,1775)	1:17:B:LEU:HD23	1:18:B:ARG:H	11	0.11
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD13	18	0.11
(3,1601)	1:37:B:LEU:HA	1:50:B:ILE:HD12	4	0.11
(3,1572)	1:40:B:LEU:HD13	1:20:B:LEU:HD21	8	0.11
(3,1570)	1:40:B:LEU:HB3	1:37:B:LEU:HA	20	0.11
(3,1569)	1:40:B:LEU:HB2	1:37:B:LEU:HA	9	0.11
(3,1534)	1:46:B:THR:HG21	1:49:B:GLN:HE22	12	0.11
(3,1505)	1:48:B:LYS:HG2	1:51:B:ILE:HD13	10	0.11
(3,1501)	1:69:B:LYS:HB3	1:69:B:LYS:HG2	8	0.11
(3,1501)	1:133:B:LYS:HB3	1:133:B:LYS:HG2	12	0.11
(3,1462)	1:50:B:ILE:HG23	1:50:B:ILE:HG13	5	0.11
(3,1448)	1:51:B:ILE:HG21	1:65:B:ASP:H	14	0.11
(3,1434)	1:51:B:ILE:HG22	1:54:B:LEU:HB3	18	0.11
(3,1425)	1:52:B:HIS:HB2	1:63:B:VAL:HG23	2	0.11
(3,1390)	1:54:B:LEU:HD21	1:21:B:TYR:HD1	7	0.11
(3,1390)	1:54:B:LEU:HD21	1:21:B:TYR:HD2	17	0.11
(3,1386)	1:54:B:LEU:HD21	1:17:B:LEU:HD23	1	0.11
(3,1344)	1:30:B:GLN:HG2	1:32:B:VAL:HG11	8	0.11
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD12	20	0.11
(3,1321)	1:37:B:LEU:HD21	1:34:B:GLU:H	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1313)	1:37:B:LEU:HD22	1:37:B:LEU:HB3	10	0.11
(3,1222)	1:72:B:HIS:HD2	1:74:B:VAL:HG13	11	0.11
(3,988)	1:45:B:ARG:HB2	1:47:B:ARG:HD3	20	0.11
(3,917)	1:98:B:LEU:HD23	1:114:B:ILE:H	1	0.11
(3,893)	1:98:B:LEU:HD22	1:118:B:LEU:HD12	4	0.11
(3,893)	1:98:B:LEU:HD21	1:118:B:LEU:HD12	8	0.11
(3,892)	1:134:B:ARG:HG2	1:134:B:ARG:HA	14	0.11
(3,832)	1:103:B:LYS:HE2	1:102:B:MET:HB2	7	0.11
(3,780)	1:73:B:ILE:HG13	1:73:B:ILE:HD11	15	0.11
(3,780)	1:123:B:LEU:HG	1:123:B:LEU:HD12	18	0.11
(3,776)	1:73:B:ILE:HG13	1:73:B:ILE:H	2	0.11
(3,776)	1:123:B:LEU:HG	1:121:B:LEU:H	18	0.11
(3,748)	1:114:B:ILE:HD13	1:109:B:ARG:HB3	4	0.11
(3,748)	1:114:B:ILE:HD11	1:109:B:ARG:HB3	10	0.11
(3,748)	1:114:B:ILE:HD12	1:109:B:ARG:HB3	16	0.11
(3,744)	1:114:B:ILE:HD11	1:101:B:ILE:HA	19	0.11
(3,696)	1:97:B:VAL:HG23	1:92:B:ARG:HA	18	0.11
(3,632)	1:119:B:LEU:HD11	1:120:B:ALA:H	3	0.11
(3,632)	1:119:B:LEU:HD13	1:120:B:ALA:H	7	0.11
(3,632)	1:119:B:LEU:HD13	1:120:B:ALA:H	13	0.11
(3,624)	1:37:B:LEU:HD22	1:47:B:ARG:HD2	14	0.11
(3,623)	1:119:B:LEU:HD22	1:119:B:LEU:HG	4	0.11
(3,623)	1:119:B:LEU:HD23	1:119:B:LEU:HG	9	0.11
(3,623)	1:119:B:LEU:HD22	1:119:B:LEU:HG	16	0.11
(3,620)	1:119:B:LEU:HD11	1:124:B:VAL:HB	15	0.11
(3,610)	1:112:B:ALA:HB1	1:111:B:ARG:HB2	4	0.11
(3,605)	1:120:B:ALA:HA	1:119:B:LEU:HD11	2	0.11
(3,604)	1:112:B:ALA:HA	1:98:B:LEU:HD23	3	0.11
(3,591)	1:20:B:LEU:HD23	1:23:B:ALA:H	9	0.11
(3,572)	1:55:B:VAL:HG21	1:57:B:MET:H	10	0.11
(3,572)	1:55:B:VAL:HG23	1:57:B:MET:H	18	0.11
(3,554)	1:124:B:VAL:HG13	1:126:B:GLU:H	14	0.11
(3,482)	1:14:B:GLU:HG2	1:57:B:MET:HE1	9	0.11
(3,481)	1:41:B:ASN:HB3	1:40:B:LEU:HD11	2	0.11
(3,449)	1:4:B:ARG:HD3	1:4:B:ARG:HG3	1	0.11
(3,437)	1:67:B:GLN:HG3	1:67:B:GLN:HB2	3	0.11
(3,437)	1:67:B:GLN:HG3	1:67:B:GLN:HB2	7	0.11
(3,437)	1:67:B:GLN:HG3	1:67:B:GLN:HB2	8	0.11
(3,418)	1:133:B:LYS:HB2	1:131:B:TYR:HB3	13	0.11
(3,415)	1:137:B:LYS:HB2	1:137:B:LYS:HG3	5	0.11
(3,415)	1:132:B:LYS:HB3	1:132:B:LYS:HG2	11	0.11
(3,415)	1:132:B:LYS:HB2	1:132:B:LYS:HG3	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,415)	1:137:B:LYS:HB2	1:137:B:LYS:HG3	17	0.11
(3,413)	1:137:B:LYS:HG3	1:137:B:LYS:HB2	5	0.11
(3,413)	1:132:B:LYS:HG2	1:132:B:LYS:HB3	11	0.11
(3,413)	1:132:B:LYS:HG3	1:132:B:LYS:HB2	14	0.11
(3,413)	1:137:B:LYS:HG3	1:137:B:LYS:HB2	17	0.11
(3,383)	1:128:B:ARG:HG3	1:128:B:ARG:HB2	12	0.11
(3,382)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	6	0.11
(3,375)	1:4:B:ARG:HG3	1:4:B:ARG:HD3	1	0.11
(3,374)	1:4:B:ARG:HG3	1:4:B:ARG:HD3	1	0.11
(3,367)	1:98:B:LEU:HD11	1:98:B:LEU:HA	10	0.11
(3,348)	1:37:B:LEU:HG	1:37:B:LEU:H	1	0.11
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	18	0.11
(3,270)	1:118:B:LEU:H	1:114:B:ILE:HG23	6	0.11
(3,270)	1:118:B:LEU:H	1:114:B:ILE:HG21	9	0.11
(3,183)	1:84:B:LEU:H	1:101:B:ILE:HG22	12	0.11
(3,175)	1:82:B:LEU:H	1:81:B:GLU:HB2	18	0.11
(3,172)	1:82:B:LEU:H	1:83:B:GLU:HG3	5	0.11
(3,172)	1:82:B:LEU:H	1:81:B:GLU:HG3	6	0.11
(3,165)	1:76:B:TRP:HE1	1:114:B:ILE:HG12	7	0.11
(3,165)	1:76:B:TRP:HE1	1:114:B:ILE:HG12	9	0.11
(3,163)	1:76:B:TRP:HE1	1:73:B:ILE:HB	1	0.11
(3,162)	1:76:B:TRP:HE1	1:73:B:ILE:HB	1	0.11
(3,155)	1:76:B:TRP:H	1:74:B:VAL:HG21	20	0.11
(3,148)	1:67:B:GLN:H	1:51:B:ILE:HB	19	0.11
(3,80)	1:38:B:ALA:H	1:36:B:ILE:HG23	8	0.11
(3,64)	1:33:B:VAL:H	1:33:B:VAL:HB	6	0.11
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	12	0.11
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD11	6	0.11
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD12	6	0.11
(2,56)	1:39:B:HIS:HE1	1:20:B:LEU:HD13	6	0.11
(2,16)	1:3:B:SER:HB3	1:44:B:PRO:HA	10	0.11
(2,15)	1:111:B:ARG:HE	1:101:B:ILE:HB	18	0.11
(2,10)	1:104:B:ASN:H	1:100:B:HIS:H	5	0.11
(2,10)	1:104:B:ASN:H	1:100:B:HIS:H	19	0.11
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	1	0.11
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	2	0.11
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	3	0.11
(2,2)	1:24:B:ASN:H	1:30:B:GLN:HE21	13	0.11
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	5	0.11
(1,2759)	1:88:B:PHE:HZ	1:89:B:GLU:HG3	18	0.11
(1,2754)	1:109:B:ARG:HD2	1:114:B:ILE:H	11	0.11
(1,2754)	1:109:B:ARG:HD2	1:114:B:ILE:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	14	0.11
(1,2711)	1:87:B:LEU:HD21	1:101:B:ILE:HA	5	0.11
(1,2711)	1:87:B:LEU:HD22	1:101:B:ILE:HA	5	0.11
(1,2711)	1:87:B:LEU:HD23	1:101:B:ILE:HA	5	0.11
(1,2662)	1:42:B:THR:HG21	1:44:B:PRO:HD2	3	0.11
(1,2662)	1:42:B:THR:HG22	1:44:B:PRO:HD2	3	0.11
(1,2662)	1:42:B:THR:HG23	1:44:B:PRO:HD2	3	0.11
(1,2662)	1:42:B:THR:HG21	1:44:B:PRO:HD2	16	0.11
(1,2662)	1:42:B:THR:HG22	1:44:B:PRO:HD2	16	0.11
(1,2662)	1:42:B:THR:HG23	1:44:B:PRO:HD2	16	0.11
(1,2660)	1:71:B:THR:HB	1:64:B:LYS:HE2	6	0.11
(1,2658)	1:8:B:THR:HB	1:9:B:TRP:HD1	18	0.11
(1,2610)	1:12:B:GLU:HG2	1:12:B:GLU:HB3	12	0.11
(1,2610)	1:12:B:GLU:HG2	1:12:B:GLU:HB3	20	0.11
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD21	16	0.11
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD22	16	0.11
(1,2584)	1:16:B:HIS:HD2	1:20:B:LEU:HD23	16	0.11
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG21	4	0.11
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG22	4	0.11
(1,2583)	1:16:B:HIS:HD2	1:42:B:THR:HG23	4	0.11
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	8	0.11
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	8	0.11
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	8	0.11
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	8	0.11
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	8	0.11
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	8	0.11
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	8	0.11
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	8	0.11
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	8	0.11
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	15	0.11
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	15	0.11
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	15	0.11
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	15	0.11
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	15	0.11
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	15	0.11
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	15	0.11
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	15	0.11
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	15	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD11	7	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD12	7	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD13	7	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD11	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD12	7	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD13	7	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD11	7	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD12	7	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD13	7	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD11	14	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD12	14	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD13	14	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD11	14	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD12	14	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD13	14	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD11	14	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD12	14	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD13	14	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD11	17	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD12	17	0.11
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD13	17	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD11	17	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD12	17	0.11
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD13	17	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD11	17	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD12	17	0.11
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD13	17	0.11
(1,2352)	1:16:B:HIS:HE1	1:39:B:HIS:HB2	20	0.11
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD11	8	0.11
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD12	8	0.11
(1,2310)	1:42:B:THR:HA	1:40:B:LEU:HD13	8	0.11
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD11	20	0.11
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD12	20	0.11
(1,2238)	1:45:B:ARG:HB2	1:50:B:ILE:HD13	20	0.11
(1,2229)	1:45:B:ARG:HD2	1:43:B:VAL:HB	11	0.11
(1,2196)	1:49:B:GLN:HG2	1:46:B:THR:HG21	6	0.11
(1,2196)	1:49:B:GLN:HG2	1:46:B:THR:HG22	6	0.11
(1,2196)	1:49:B:GLN:HG2	1:46:B:THR:HG23	6	0.11
(1,2155)	1:51:B:ILE:HG21	1:56:B:GLN:HE21	8	0.11
(1,2155)	1:51:B:ILE:HG22	1:56:B:GLN:HE21	8	0.11
(1,2155)	1:51:B:ILE:HG23	1:56:B:GLN:HE21	8	0.11
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG11	2	0.11
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG12	2	0.11
(1,2154)	1:51:B:ILE:HD11	1:33:B:VAL:HG13	2	0.11
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG11	2	0.11
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG12	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:51:B:ILE:HD12	1:33:B:VAL:HG13	2	0.11
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG11	2	0.11
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG12	2	0.11
(1,2154)	1:51:B:ILE:HD13	1:33:B:VAL:HG13	2	0.11
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	2	0.11
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	2	0.11
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	2	0.11
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	3	0.11
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	3	0.11
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	3	0.11
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	15	0.11
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	15	0.11
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	15	0.11
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	8	0.11
(1,1977)	1:60:B:ALA:HB1	1:66:B:PHE:HZ	2	0.11
(1,1977)	1:60:B:ALA:HB2	1:66:B:PHE:HZ	2	0.11
(1,1977)	1:60:B:ALA:HB3	1:66:B:PHE:HZ	2	0.11
(1,1971)	1:25:B:LYS:HG2	1:25:B:LYS:HE2	10	0.11
(1,1971)	1:25:B:LYS:HG2	1:25:B:LYS:HE2	17	0.11
(1,1957)	1:61:B:ASP:HA	1:62:B:SER:HB3	18	0.11
(1,1847)	1:73:B:ILE:HD11	1:81:B:GLU:HG2	17	0.11
(1,1847)	1:73:B:ILE:HD12	1:81:B:GLU:HG2	17	0.11
(1,1847)	1:73:B:ILE:HD13	1:81:B:GLU:HG2	17	0.11
(1,1844)	1:73:B:ILE:HD11	1:80:B:GLN:HE21	3	0.11
(1,1844)	1:73:B:ILE:HD12	1:80:B:GLN:HE21	3	0.11
(1,1844)	1:73:B:ILE:HD13	1:80:B:GLN:HE21	3	0.11
(1,1844)	1:73:B:ILE:HD11	1:80:B:GLN:HE21	13	0.11
(1,1844)	1:73:B:ILE:HD12	1:80:B:GLN:HE21	13	0.11
(1,1844)	1:73:B:ILE:HD13	1:80:B:GLN:HE21	13	0.11
(1,1822)	1:74:B:VAL:HG21	1:75:B:LEU:HG	19	0.11
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD1	1	0.11
(1,1762)	1:37:B:LEU:HG	1:66:B:PHE:HD2	1	0.11
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB1	5	0.11
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB2	5	0.11
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB3	5	0.11
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB1	13	0.11
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB2	13	0.11
(1,1758)	1:12:B:GLU:HG2	1:15:B:ALA:HB3	13	0.11
(1,1609)	1:66:B:PHE:HD1	1:51:B:ILE:HG12	11	0.11
(1,1609)	1:66:B:PHE:HD2	1:51:B:ILE:HG12	11	0.11
(1,1592)	1:92:B:ARG:HD3	1:88:B:PHE:HE1	15	0.11
(1,1592)	1:92:B:ARG:HD3	1:88:B:PHE:HE2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1558)	1:92:B:ARG:HD2	1:89:B:GLU:HB2	8	0.11
(1,1532)	1:97:B:VAL:HG13	1:88:B:PHE:HD1	10	0.11
(1,1509)	1:98:B:LEU:HD21	1:101:B:ILE:H	20	0.11
(1,1509)	1:98:B:LEU:HD22	1:101:B:ILE:H	20	0.11
(1,1509)	1:98:B:LEU:HD23	1:101:B:ILE:H	20	0.11
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	7	0.11
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	7	0.11
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	7	0.11
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	15	0.11
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	15	0.11
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	15	0.11
(1,1444)	1:102:B:MET:HG2	1:102:B:MET:H	3	0.11
(1,1444)	1:102:B:MET:HG2	1:102:B:MET:H	17	0.11
(1,1443)	1:102:B:MET:HE1	1:103:B:LYS:H	20	0.11
(1,1443)	1:102:B:MET:HE2	1:103:B:LYS:H	20	0.11
(1,1443)	1:102:B:MET:HE3	1:103:B:LYS:H	20	0.11
(1,1422)	1:105:B:ILE:HG21	1:109:B:ARG:HD3	14	0.11
(1,1422)	1:105:B:ILE:HG22	1:109:B:ARG:HD3	14	0.11
(1,1422)	1:105:B:ILE:HG23	1:109:B:ARG:HD3	14	0.11
(1,1311)	1:110:B:SER:HA	1:102:B:MET:HG3	12	0.11
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD21	10	0.11
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD22	10	0.11
(1,1293)	1:114:B:ILE:HD11	1:84:B:LEU:HD23	10	0.11
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD21	10	0.11
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD22	10	0.11
(1,1293)	1:114:B:ILE:HD12	1:84:B:LEU:HD23	10	0.11
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD21	10	0.11
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD22	10	0.11
(1,1293)	1:114:B:ILE:HD13	1:84:B:LEU:HD23	10	0.11
(1,1268)	1:114:B:ILE:HG21	1:111:B:ARG:HA	9	0.11
(1,1268)	1:114:B:ILE:HG22	1:111:B:ARG:HA	9	0.11
(1,1268)	1:114:B:ILE:HG23	1:111:B:ARG:HA	9	0.11
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD11	4	0.11
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD12	4	0.11
(1,1264)	1:114:B:ILE:HG21	1:118:B:LEU:HD13	4	0.11
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD11	4	0.11
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD12	4	0.11
(1,1264)	1:114:B:ILE:HG22	1:118:B:LEU:HD13	4	0.11
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD11	4	0.11
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD12	4	0.11
(1,1264)	1:114:B:ILE:HG23	1:118:B:LEU:HD13	4	0.11
(1,1252)	1:63:B:VAL:HG11	1:64:B:LYS:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:63:B:VAL:HG12	1:64:B:LYS:H	8	0.11
(1,1252)	1:63:B:VAL:HG13	1:64:B:LYS:H	8	0.11
(1,1249)	1:27:B:VAL:HG11	1:28:B:GLU:H	11	0.11
(1,1249)	1:27:B:VAL:HG12	1:28:B:GLU:H	11	0.11
(1,1249)	1:27:B:VAL:HG13	1:28:B:GLU:H	11	0.11
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	3	0.11
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	3	0.11
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	3	0.11
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	9	0.11
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	9	0.11
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	9	0.11
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	10	0.11
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	10	0.11
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	10	0.11
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	11	0.11
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	11	0.11
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	11	0.11
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	12	0.11
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	12	0.11
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	12	0.11
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	15	0.11
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	15	0.11
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	15	0.11
(1,1246)	1:87:B:LEU:HD11	1:104:B:ASN:H	3	0.11
(1,1246)	1:87:B:LEU:HD12	1:104:B:ASN:H	3	0.11
(1,1246)	1:87:B:LEU:HD13	1:104:B:ASN:H	3	0.11
(1,1239)	1:63:B:VAL:HB	1:66:B:PHE:HD1	12	0.11
(1,1239)	1:63:B:VAL:HB	1:66:B:PHE:HD2	12	0.11
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	1	0.11
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	5	0.11
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	8	0.11
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	11	0.11
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	14	0.11
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	16	0.11
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	17	0.11
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	18	0.11
(1,1171)	1:119:B:LEU:HD21	1:116:B:ASP:HB3	10	0.11
(1,1171)	1:119:B:LEU:HD22	1:116:B:ASP:HB3	10	0.11
(1,1171)	1:119:B:LEU:HD23	1:116:B:ASP:HB3	10	0.11
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG11	5	0.11
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG12	5	0.11
(1,1162)	1:119:B:LEU:HD11	1:124:B:VAL:HG13	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG11	5	0.11
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG12	5	0.11
(1,1162)	1:119:B:LEU:HD12	1:124:B:VAL:HG13	5	0.11
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG11	5	0.11
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG12	5	0.11
(1,1162)	1:119:B:LEU:HD13	1:124:B:VAL:HG13	5	0.11
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	1	0.11
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	1	0.11
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	1	0.11
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	3	0.11
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	3	0.11
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	3	0.11
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	7	0.11
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	7	0.11
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	7	0.11
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	10	0.11
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	10	0.11
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	10	0.11
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	12	0.11
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	12	0.11
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	12	0.11
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	13	0.11
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	13	0.11
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	13	0.11
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	15	0.11
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	15	0.11
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	15	0.11
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	16	0.11
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	16	0.11
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	16	0.11
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	19	0.11
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	19	0.11
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	19	0.11
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	10	0.11
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	10	0.11
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	10	0.11
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	10	0.11
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	10	0.11
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	10	0.11
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	10	0.11
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	10	0.11
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	16	0.11
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	16	0.11
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	16	0.11
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	16	0.11
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	16	0.11
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	16	0.11
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	16	0.11
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	16	0.11
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	16	0.11
(1,993)	1:129:B:GLU:HB3	1:124:B:VAL:HG21	6	0.11
(1,993)	1:129:B:GLU:HB3	1:124:B:VAL:HG22	6	0.11
(1,993)	1:129:B:GLU:HB3	1:124:B:VAL:HG23	6	0.11
(1,979)	1:82:B:LEU:HD21	1:83:B:GLU:HA	12	0.11
(1,979)	1:82:B:LEU:HD22	1:83:B:GLU:HA	12	0.11
(1,979)	1:82:B:LEU:HD23	1:83:B:GLU:HA	12	0.11
(1,978)	1:82:B:LEU:HD11	1:79:B:ASP:HA	15	0.11
(1,978)	1:82:B:LEU:HD12	1:79:B:ASP:HA	15	0.11
(1,978)	1:82:B:LEU:HD13	1:79:B:ASP:HA	15	0.11
(1,966)	1:131:B:TYR:HD1	1:130:B:LEU:H	13	0.11
(1,966)	1:131:B:TYR:HD2	1:130:B:LEU:H	13	0.11
(1,959)	1:131:B:TYR:HD1	1:127:B:ARG:HB3	17	0.11
(1,959)	1:131:B:TYR:HD2	1:127:B:ARG:HB3	17	0.11
(1,923)	1:67:B:GLN:HG3	1:67:B:GLN:H	2	0.11
(1,875)	1:33:B:VAL:HG11	1:35:B:ALA:H	10	0.11
(1,875)	1:33:B:VAL:HG12	1:35:B:ALA:H	10	0.11
(1,875)	1:33:B:VAL:HG13	1:35:B:ALA:H	10	0.11
(1,831)	1:80:B:GLN:HE21	1:80:B:GLN:HB3	2	0.11
(1,831)	1:80:B:GLN:HE21	1:80:B:GLN:HB3	13	0.11
(1,831)	1:80:B:GLN:HE21	1:80:B:GLN:HB3	14	0.11
(1,798)	1:131:B:TYR:H	1:131:B:TYR:HB2	17	0.11
(1,778)	1:128:B:ARG:H	1:128:B:ARG:HG3	16	0.11
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	7	0.11
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	7	0.11
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	7	0.11
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	16	0.11
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	16	0.11
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	16	0.11
(1,662)	1:106:B:THR:H	1:105:B:ILE:HG13	15	0.11
(1,662)	1:106:B:THR:H	1:105:B:ILE:HG13	20	0.11
(1,617)	1:96:B:ASP:H	1:100:B:HIS:HD2	15	0.11
(1,594)	1:93:B:ASP:H	1:93:B:ASP:HB2	1	0.11
(1,491)	1:77:B:THR:H	1:80:B:GLN:HB3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:73:B:ILE:H	1:72:B:HIS:HE1	8	0.11
(1,431)	1:67:B:GLN:H	1:64:B:LYS:HB3	2	0.11
(1,425)	1:66:B:PHE:H	1:67:B:GLN:HB2	12	0.11
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	13	0.11
(1,248)	1:40:B:LEU:H	1:37:B:LEU:HA	17	0.11
(1,223)	1:37:B:LEU:H	1:37:B:LEU:HG	1	0.11
(1,54)	1:13:B:GLU:H	1:12:B:GLU:HB3	10	0.11
(3,1885)	1:84:B:LEU:HD12	1:84:B:LEU:HB3	6	0.1
(3,1760)	1:19:B:GLU:HA	1:23:B:ALA:HB1	20	0.1
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD12	7	0.1
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD12	11	0.1
(3,1750)	1:98:B:LEU:HG	1:98:B:LEU:HD11	19	0.1
(3,1586)	1:39:B:HIS:HB3	1:40:B:LEU:HD21	3	0.1
(3,1545)	1:43:B:VAL:HG13	1:45:B:ARG:HB3	6	0.1
(3,1517)	1:5:B:ARG:HB3	1:5:B:ARG:HG2	6	0.1
(3,1517)	1:68:B:ARG:HB3	1:68:B:ARG:HG2	11	0.1
(3,1517)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	14	0.1
(3,1486)	1:50:B:ILE:HG22	1:34:B:GLU:H	12	0.1
(3,1434)	1:51:B:ILE:HG21	1:54:B:LEU:HB3	20	0.1
(3,1358)	1:55:B:VAL:HG11	1:54:B:LEU:HG	8	0.1
(3,1326)	1:58:B:GLY:HA2	1:59:B:LEU:HD13	5	0.1
(3,1326)	1:58:B:GLY:HA2	1:55:B:VAL:HG13	6	0.1
(3,1313)	1:37:B:LEU:HD22	1:37:B:LEU:HB3	13	0.1
(3,1311)	1:37:B:LEU:HD21	1:50:B:ILE:HG22	14	0.1
(3,1297)	1:42:B:THR:HG23	1:40:B:LEU:HG	16	0.1
(3,1274)	1:63:B:VAL:HG23	1:51:B:ILE:HA	12	0.1
(3,1244)	1:122:B:GLY:HA2	1:118:B:LEU:HB2	13	0.1
(3,1234)	1:46:B:THR:HG21	1:47:B:ARG:HD3	10	0.1
(3,1231)	1:71:B:THR:HA	1:71:B:THR:HB	9	0.1
(3,1211)	1:73:B:ILE:HB	1:76:B:TRP:HB2	10	0.1
(3,1211)	1:73:B:ILE:HB	1:72:B:HIS:HB3	15	0.1
(3,1201)	1:73:B:ILE:HB	1:76:B:TRP:H	6	0.1
(3,1144)	1:76:B:TRP:HD1	1:74:B:VAL:HB	3	0.1
(3,1144)	1:76:B:TRP:HD1	1:74:B:VAL:HB	19	0.1
(3,1126)	1:76:B:TRP:HB2	1:74:B:VAL:HG23	6	0.1
(3,973)	1:66:B:PHE:HE2	1:63:B:VAL:HA	7	0.1
(3,901)	1:98:B:LEU:HD21	1:98:B:LEU:HB2	5	0.1
(3,900)	1:37:B:LEU:HD11	1:37:B:LEU:HB2	8	0.1
(3,834)	1:27:B:VAL:HB	1:30:B:GLN:H	14	0.1
(3,780)	1:123:B:LEU:HG	1:123:B:LEU:HD13	1	0.1
(3,780)	1:73:B:ILE:HG13	1:73:B:ILE:HD13	11	0.1
(3,680)	1:63:B:VAL:HB	1:66:B:PHE:HB2	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,632)	1:119:B:LEU:HD13	1:120:B:ALA:H	6	0.1
(3,632)	1:119:B:LEU:HD12	1:120:B:ALA:H	18	0.1
(3,558)	1:84:B:LEU:HD22	1:118:B:LEU:HA	18	0.1
(3,449)	1:128:B:ARG:HD2	1:128:B:ARG:HG2	7	0.1
(3,446)	1:5:B:ARG:HB3	1:5:B:ARG:HG2	6	0.1
(3,446)	1:134:B:ARG:HB3	1:134:B:ARG:HG2	7	0.1
(3,446)	1:68:B:ARG:HB2	1:68:B:ARG:HG3	14	0.1
(3,389)	1:75:B:LEU:HD12	1:75:B:LEU:HB2	12	0.1
(3,389)	1:75:B:LEU:HD12	1:75:B:LEU:HB2	13	0.1
(3,389)	1:75:B:LEU:HD13	1:75:B:LEU:HB2	20	0.1
(3,383)	1:5:B:ARG:HG2	1:5:B:ARG:HB3	6	0.1
(3,381)	1:128:B:ARG:HG2	1:126:B:GLU:HG3	8	0.1
(3,375)	1:128:B:ARG:HG2	1:128:B:ARG:HD2	7	0.1
(3,340)	1:63:B:VAL:HA	1:63:B:VAL:HB	6	0.1
(3,164)	1:76:B:TRP:HE1	1:109:B:ARG:HG2	20	0.1
(3,162)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	10	0.1
(3,145)	1:66:B:PHE:H	1:65:B:ASP:HB3	7	0.1
(3,76)	1:37:B:LEU:H	1:50:B:ILE:HG22	4	0.1
(3,60)	1:29:B:GLY:H	1:27:B:VAL:HA	18	0.1
(2,52)	1:35:B:ALA:HB1	1:33:B:VAL:HB	16	0.1
(2,52)	1:35:B:ALA:HB2	1:33:B:VAL:HB	16	0.1
(2,52)	1:35:B:ALA:HB3	1:33:B:VAL:HB	16	0.1
(2,7)	1:68:B:ARG:H	1:64:B:LYS:HB3	4	0.1
(2,5)	1:59:B:LEU:H	1:56:B:GLN:HA	6	0.1
(1,2721)	1:57:B:MET:HA	1:60:B:ALA:H	20	0.1
(1,2711)	1:87:B:LEU:HD21	1:101:B:ILE:HA	2	0.1
(1,2711)	1:87:B:LEU:HD22	1:101:B:ILE:HA	2	0.1
(1,2711)	1:87:B:LEU:HD23	1:101:B:ILE:HA	2	0.1
(1,2681)	1:6:B:ALA:HB1	1:7:B:PRO:HB2	12	0.1
(1,2681)	1:6:B:ALA:HB2	1:7:B:PRO:HB2	12	0.1
(1,2681)	1:6:B:ALA:HB3	1:7:B:PRO:HB2	12	0.1
(1,2659)	1:8:B:THR:HB	1:9:B:TRP:HB2	15	0.1
(1,2610)	1:12:B:GLU:HG2	1:12:B:GLU:HB3	7	0.1
(1,2601)	1:14:B:GLU:HA	1:53:B:HIS:HD2	9	0.1
(1,2582)	1:16:B:HIS:HD2	1:15:B:ALA:HB1	3	0.1
(1,2582)	1:16:B:HIS:HD2	1:15:B:ALA:HB2	3	0.1
(1,2582)	1:16:B:HIS:HD2	1:15:B:ALA:HB3	3	0.1
(1,2470)	1:26:B:ASP:HB2	1:25:B:LYS:HG3	3	0.1
(1,2463)	1:34:B:GLU:HG3	1:31:B:ASP:HB2	8	0.1
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD11	19	0.1
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD12	19	0.1
(1,2395)	1:35:B:ALA:HB1	1:20:B:LEU:HD13	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD11	19	0.1
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD12	19	0.1
(1,2395)	1:35:B:ALA:HB2	1:20:B:LEU:HD13	19	0.1
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD11	19	0.1
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD12	19	0.1
(1,2395)	1:35:B:ALA:HB3	1:20:B:LEU:HD13	19	0.1
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD11	2	0.1
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD12	2	0.1
(1,2394)	1:35:B:ALA:HB1	1:54:B:LEU:HD13	2	0.1
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD11	2	0.1
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD12	2	0.1
(1,2394)	1:35:B:ALA:HB2	1:54:B:LEU:HD13	2	0.1
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD11	2	0.1
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD12	2	0.1
(1,2394)	1:35:B:ALA:HB3	1:54:B:LEU:HD13	2	0.1
(1,2362)	1:38:B:ALA:HB1	1:37:B:LEU:HG	11	0.1
(1,2362)	1:38:B:ALA:HB2	1:37:B:LEU:HG	11	0.1
(1,2362)	1:38:B:ALA:HB3	1:37:B:LEU:HG	11	0.1
(1,2284)	1:43:B:VAL:HG11	1:45:B:ARG:HG2	8	0.1
(1,2284)	1:43:B:VAL:HG12	1:45:B:ARG:HG2	8	0.1
(1,2284)	1:43:B:VAL:HG13	1:45:B:ARG:HG2	8	0.1
(1,2265)	1:44:B:PRO:HD2	1:43:B:VAL:HG11	15	0.1
(1,2265)	1:44:B:PRO:HD2	1:43:B:VAL:HG12	15	0.1
(1,2265)	1:44:B:PRO:HD2	1:43:B:VAL:HG13	15	0.1
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG21	6	0.1
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG22	6	0.1
(1,2204)	1:69:B:LYS:HB3	1:71:B:THR:HG23	6	0.1
(1,2120)	1:52:B:HIS:HE1	1:56:B:GLN:HG3	8	0.1
(1,2120)	1:52:B:HIS:HE1	1:56:B:GLN:HG3	11	0.1
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	12	0.1
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	12	0.1
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	12	0.1
(1,2088)	1:54:B:LEU:HD21	1:59:B:LEU:HA	16	0.1
(1,2088)	1:54:B:LEU:HD22	1:59:B:LEU:HA	16	0.1
(1,2088)	1:54:B:LEU:HD23	1:59:B:LEU:HA	16	0.1
(1,2061)	1:56:B:GLN:HB3	1:54:B:LEU:H	18	0.1
(1,1999)	1:59:B:LEU:HB3	1:21:B:TYR:HD1	12	0.1
(1,1957)	1:61:B:ASP:HA	1:62:B:SER:HB3	4	0.1
(1,1844)	1:73:B:ILE:HD11	1:80:B:GLN:HE21	11	0.1
(1,1844)	1:73:B:ILE:HD12	1:80:B:GLN:HE21	11	0.1
(1,1844)	1:73:B:ILE:HD13	1:80:B:GLN:HE21	11	0.1
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE1	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:92:B:ARG:HB3	1:88:B:PHE:HE2	20	0.1
(1,1588)	1:92:B:ARG:HB2	1:88:B:PHE:HE1	11	0.1
(1,1588)	1:92:B:ARG:HB2	1:88:B:PHE:HE2	11	0.1
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG21	10	0.1
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG22	10	0.1
(1,1564)	1:92:B:ARG:HG2	1:97:B:VAL:HG23	10	0.1
(1,1451)	1:102:B:MET:HE1	1:111:B:ARG:HG3	1	0.1
(1,1451)	1:102:B:MET:HE2	1:111:B:ARG:HG3	1	0.1
(1,1451)	1:102:B:MET:HE3	1:111:B:ARG:HG3	1	0.1
(1,1450)	1:102:B:MET:HE1	1:111:B:ARG:HB2	10	0.1
(1,1450)	1:102:B:MET:HE2	1:111:B:ARG:HB2	10	0.1
(1,1450)	1:102:B:MET:HE3	1:111:B:ARG:HB2	10	0.1
(1,1374)	1:107:B:ALA:HB1	1:80:B:GLN:HE22	2	0.1
(1,1374)	1:107:B:ALA:HB2	1:80:B:GLN:HE22	2	0.1
(1,1374)	1:107:B:ALA:HB3	1:80:B:GLN:HE22	2	0.1
(1,1304)	1:113:B:ARG:HD3	1:114:B:ILE:HA	6	0.1
(1,1281)	1:114:B:ILE:HD11	1:76:B:TRP:HZ2	14	0.1
(1,1281)	1:114:B:ILE:HD12	1:76:B:TRP:HZ2	14	0.1
(1,1281)	1:114:B:ILE:HD13	1:76:B:TRP:HZ2	14	0.1
(1,1268)	1:114:B:ILE:HG21	1:111:B:ARG:HA	16	0.1
(1,1268)	1:114:B:ILE:HG22	1:111:B:ARG:HA	16	0.1
(1,1268)	1:114:B:ILE:HG23	1:111:B:ARG:HA	16	0.1
(1,1248)	1:22:B:LEU:HD21	1:18:B:ARG:H	18	0.1
(1,1248)	1:22:B:LEU:HD22	1:18:B:ARG:H	18	0.1
(1,1248)	1:22:B:LEU:HD23	1:18:B:ARG:H	18	0.1
(1,1245)	1:87:B:LEU:HD11	1:107:B:ALA:H	16	0.1
(1,1245)	1:87:B:LEU:HD12	1:107:B:ALA:H	16	0.1
(1,1245)	1:87:B:LEU:HD13	1:107:B:ALA:H	16	0.1
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	2	0.1
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	3	0.1
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	9	0.1
(1,1183)	1:119:B:LEU:HG	1:119:B:LEU:HA	20	0.1
(1,1175)	1:119:B:LEU:HD11	1:118:B:LEU:H	11	0.1
(1,1175)	1:119:B:LEU:HD12	1:118:B:LEU:H	11	0.1
(1,1175)	1:119:B:LEU:HD13	1:118:B:LEU:H	11	0.1
(1,1149)	1:35:B:ALA:HB1	1:21:B:TYR:HB2	6	0.1
(1,1149)	1:35:B:ALA:HB2	1:21:B:TYR:HB2	6	0.1
(1,1149)	1:35:B:ALA:HB3	1:21:B:TYR:HB2	6	0.1
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	4	0.1
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	4	0.1
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	4	0.1
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	6	0.1
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	6	0.1
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	9	0.1
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	9	0.1
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	9	0.1
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	14	0.1
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	14	0.1
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	14	0.1
(1,1137)	1:121:B:LEU:HD11	1:121:B:LEU:HB3	18	0.1
(1,1137)	1:121:B:LEU:HD12	1:121:B:LEU:HB3	18	0.1
(1,1137)	1:121:B:LEU:HD13	1:121:B:LEU:HB3	18	0.1
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB1	15	0.1
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB2	15	0.1
(1,1101)	1:55:B:VAL:HG21	1:60:B:ALA:HB3	15	0.1
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB1	15	0.1
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB2	15	0.1
(1,1101)	1:55:B:VAL:HG22	1:60:B:ALA:HB3	15	0.1
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB1	15	0.1
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB2	15	0.1
(1,1101)	1:55:B:VAL:HG23	1:60:B:ALA:HB3	15	0.1
(1,807)	1:135:B:GLN:HE21	1:135:B:GLN:HA	11	0.1
(1,778)	1:128:B:ARG:H	1:128:B:ARG:HG2	14	0.1
(1,762)	1:125:B:ALA:H	1:124:B:VAL:HB	4	0.1
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD21	5	0.1
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD22	5	0.1
(1,751)	1:123:B:LEU:H	1:130:B:LEU:HD23	5	0.1
(1,737)	1:120:B:ALA:H	1:123:B:LEU:HB2	15	0.1
(1,594)	1:93:B:ASP:H	1:93:B:ASP:HB2	4	0.1
(1,482)	1:76:B:TRP:HE1	1:114:B:ILE:HG13	10	0.1
(1,335)	1:53:B:HIS:H	1:56:B:GLN:HB3	5	0.1
(1,207)	1:35:B:ALA:H	1:36:B:ILE:HG13	7	0.1

10 Dihedral-angle violation analysis

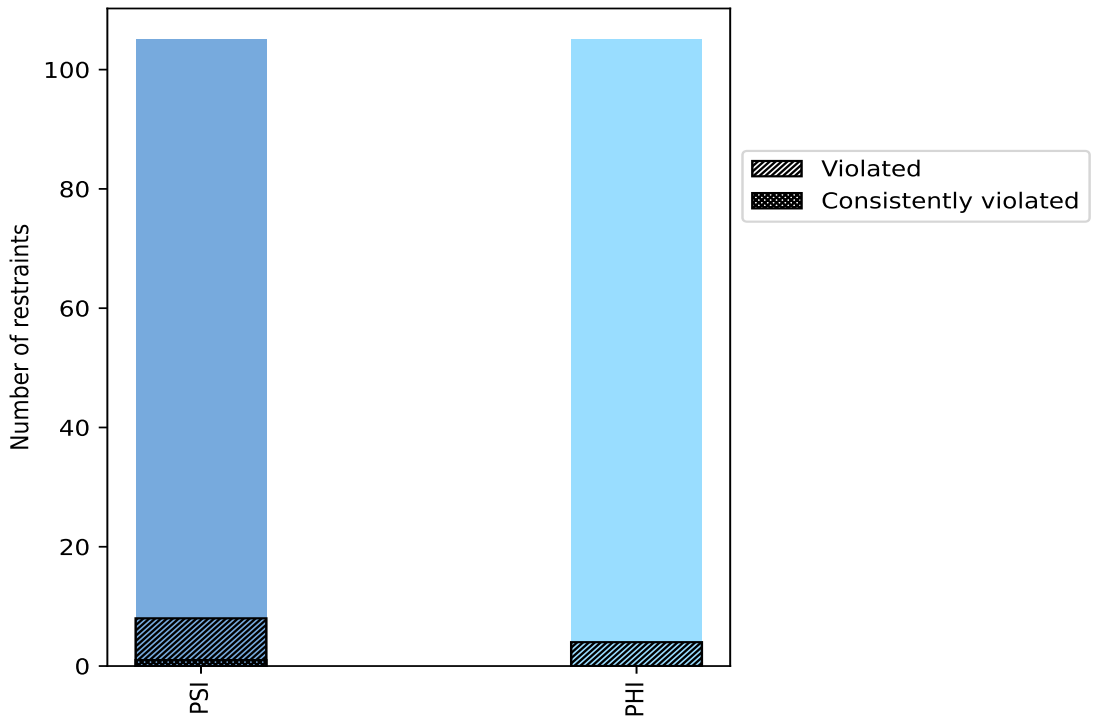
10.1 Summary of dihedral-angle violations

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	105	50.0	8	7.6	3.8	1	1.0	0.5
PHI	105	50.0	4	3.8	1.9	0	0.0	0.0
Total	210	100.0	12	5.7	5.7	1	0.5	0.5

[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



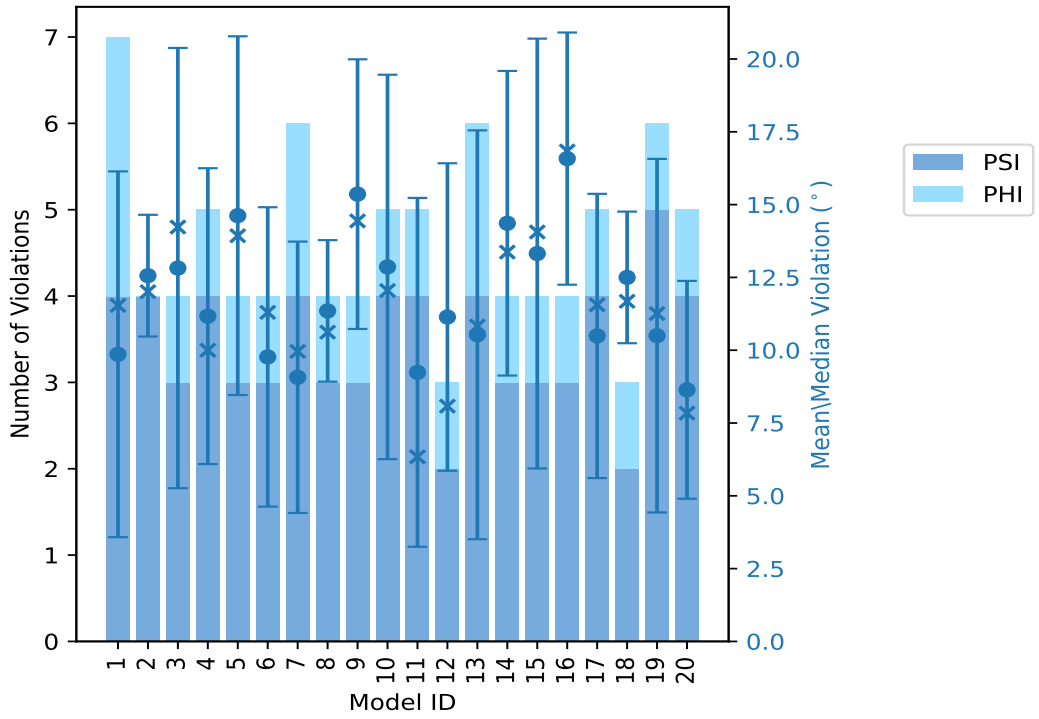
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	4	3	7	9.86	21.0	6.28	11.54
2	4	0	4	12.56	15.96	2.09	12.01
3	3	1	4	12.82	21.69	7.56	14.23
4	4	1	5	11.17	16.93	5.08	10.0
5	3	1	4	14.62	23.38	6.16	13.93
6	3	1	4	9.77	15.08	5.14	11.3
7	4	2	6	9.07	15.73	4.66	9.96
8	3	1	4	11.35	15.35	2.43	10.62
9	3	1	4	15.36	22.04	4.63	14.44
10	4	1	5	12.86	23.0	6.6	12.05
11	4	1	5	9.24	19.47	5.99	6.34
12	2	1	3	11.14	18.57	5.28	8.08
13	4	2	6	10.53	22.41	7.02	10.83
14	3	1	4	14.36	21.88	5.23	13.37
15	3	1	4	13.32	22.81	7.38	14.06
16	3	1	4	16.58	21.6	4.33	16.84
17	4	1	5	10.49	16.42	4.88	11.56
18	2	1	3	12.5	15.59	2.26	11.68
19	5	1	6	10.5	18.76	6.07	11.26
20	4	1	5	8.64	12.76	3.74	7.84

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	2	5	1	5.0
0	1	1	2	10.0
1	0	1	3	15.0
0	0	0	4	20.0
0	0	0	5	25.0
1	0	1	6	30.0
0	0	0	7	35.0
0	0	0	8	40.0
0	0	0	9	45.0
0	0	0	10	50.0
0	0	0	11	55.0

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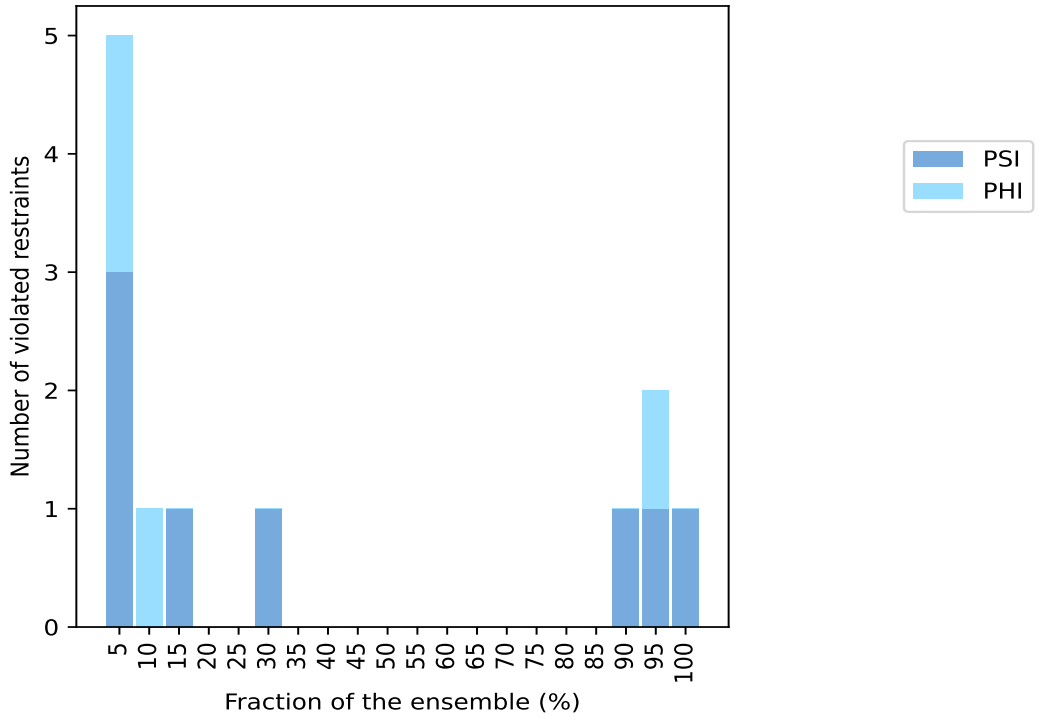
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
0	0	0	12	60.0
0	0	0	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
1	0	1	18	90.0
1	1	2	19	95.0
1	0	1	20	100.0

[1] Number of models with violations

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

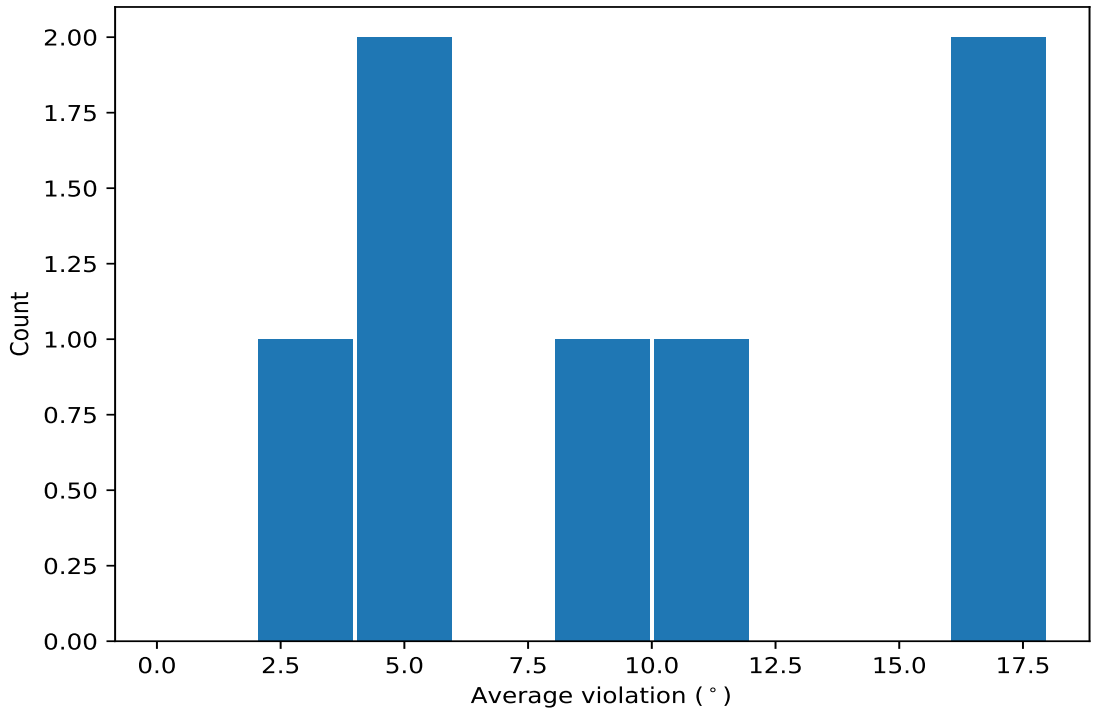


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

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

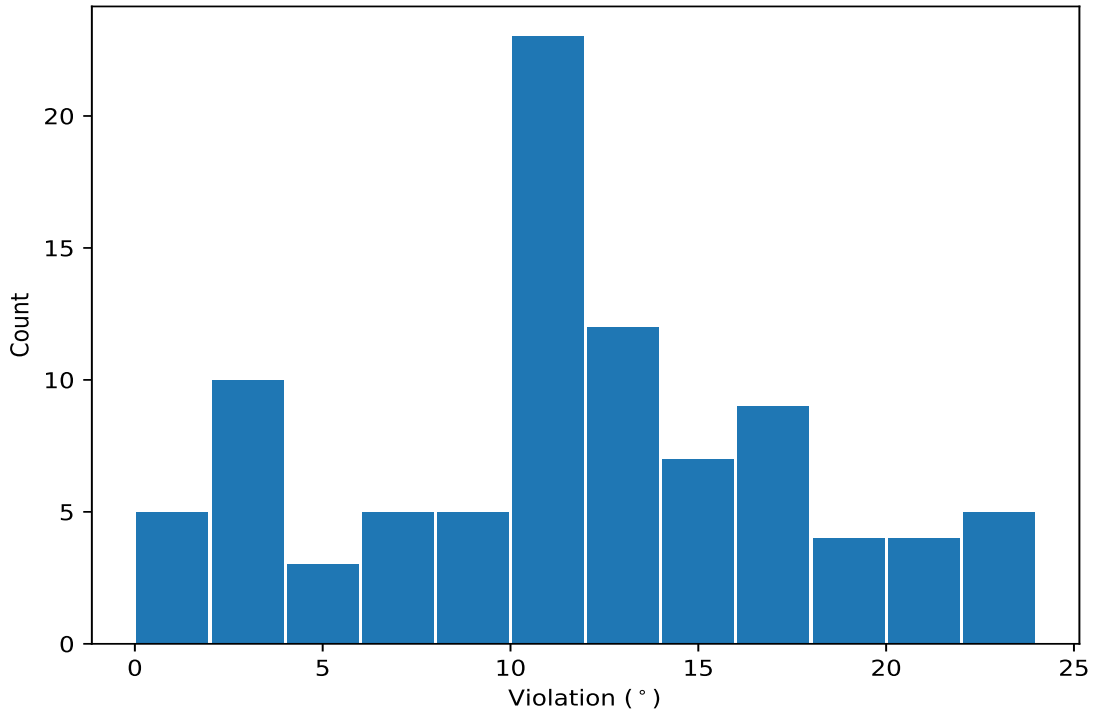
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	20	16.77	1.91	16.45
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	19	10.58	2.7	10.9
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	19	9.7	2.67	10.34
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	18	16.12	6.1	16.46
(1,112)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:TRP:N	6	4.23	3.59	2.79
(1,2)	1:8:B:THR:N	1:8:B:THR:CA	1:8:B:THR:C	1:9:B:TRP:N	3	4.09	0.65	3.83
(1,1)	1:7:B:PRO:C	1:8:B:THR:N	1:8:B:THR:CA	1:8:B:THR:C	2	3.32	0.92	3.32

[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 (°)
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	5	23.38
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	10	23.0
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	15	22.81
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	13	22.41
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	9	22.04
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	14	21.88
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	3	21.69
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	16	21.6
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	1	21.0
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	16	19.9
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	11	19.47
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	19	18.76
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	12	18.57
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	9	17.3
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	5	17.1
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	4	16.93
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	4	16.85
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	14	16.54
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	3	16.48
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	17	16.42
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	19	16.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	10	16.0
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	2	15.96
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	15	15.88
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	7	15.73
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	18	15.59
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	8	15.35
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	6	15.08
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	13	14.61
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	1	13.79
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	16	13.78
(1,110)	1:66:B:PHE:N	1:66:B:PHE:CA	1:66:B:PHE:C	1:67:B:GLN:N	20	12.76
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	7	12.53
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	6	12.53
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	19	12.48
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	11	12.44
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	20	12.33
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	15	12.24
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1	12.18
(1,112)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:TRP:N	2	12.11
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	10	12.05
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	3	11.97
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	2	11.91
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	17	11.78
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	18	11.68
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	9	11.57
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	17	11.56
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	1	11.54
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	13	11.3
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	17	11.17
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	16	11.03
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	8	10.9
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	5	10.76
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	9	10.55
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	13	10.36
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	8	10.34
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	7	10.33
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	10	10.26
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	2	10.25
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	18	10.23
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	14	10.2
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	6	10.06
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	19	10.05
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	4	10.0
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	7	9.6
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	8	8.81
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	14	8.8
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	4	8.27
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	12	8.08
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	20	7.84
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	20	7.83
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	5	7.26

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	12	6.78
(1,70)	1:44:B:PRO:N	1:44:B:PRO:CA	1:44:B:PRO:C	1:45:B:ARG:N	11	6.34
(1,2)	1:8:B:THR:N	1:8:B:THR:CA	1:8:B:THR:C	1:9:B:TRP:N	1	4.98
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	11	4.47
(1,1)	1:7:B:PRO:C	1:8:B:THR:N	1:8:B:THR:CA	1:8:B:THR:C	1	4.25
(1,2)	1:8:B:THR:N	1:8:B:THR:CA	1:8:B:THR:C	1:9:B:TRP:N	7	3.83
(1,112)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:TRP:N	4	3.82
(1,2)	1:8:B:THR:N	1:8:B:THR:CA	1:8:B:THR:C	1:9:B:TRP:N	11	3.46
(1,170)	1:109:B:ARG:N	1:109:B:ARG:CA	1:109:B:ARG:C	1:110:B:SER:N	19	3.06
(1,112)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:TRP:N	10	2.98
(1,112)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:TRP:N	19	2.6
(1,152)	1:97:B:VAL:N	1:97:B:VAL:CA	1:97:B:VAL:C	1:98:B:LEU:N	13	2.58
(1,112)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:TRP:N	20	2.46
(1,1)	1:7:B:PRO:C	1:8:B:THR:N	1:8:B:THR:CA	1:8:B:THR:C	7	2.4
(1,111)	1:74:B:VAL:C	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	15	2.35
(1,151)	1:96:B:ASP:C	1:97:B:VAL:N	1:97:B:VAL:CA	1:97:B:VAL:C	13	1.94
(1,210)	1:130:B:LEU:N	1:130:B:LEU:CA	1:130:B:LEU:C	1:131:B:TYR:N	17	1.52
(1,112)	1:75:B:LEU:N	1:75:B:LEU:CA	1:75:B:LEU:C	1:76:B:TRP:N	6	1.42
(1,3)	1:8:B:THR:C	1:9:B:TRP:N	1:9:B:TRP:CA	1:9:B:TRP:C	1	1.3
(1,102)	1:61:B:ASP:N	1:61:B:ASP:CA	1:61:B:ASP:C	1:62:B:SER:N	3	1.16