Full wwPDB NMR Structure Validation Report (i)

Mar 9, 2026 – 03:23 AM UTC

PDB ID	:	1IIO / pdb_00001iio
BMRB ID	:	4996
Title	:	NMR-Based Structure of the Conserved Protein MTH865 from the Archea Methanobacterium thermoautotrophicum
Authors	:	Lee, G.M.; Edwards, A.M.; Arrowsmith, C.H.; McIntosh, L.P.
Deposited on	:	2001-04-23

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

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

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

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

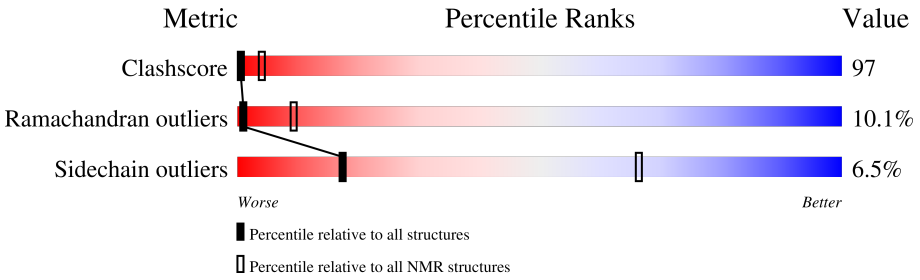
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (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 96%.

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	A	84	30% 43% 10% 18%

2 Ensemble composition and analysis (i)

This entry contains 25 models. Model 5 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:5-A:35, A:40-A:43, A:48-A:81 (69)	0.32	5

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

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

The models can be grouped into 3 clusters and 7 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1204 atoms, of which 598 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called conserved hypothetical protein MTH865.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	84	1204	375	598	100	127	4	0

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-3	GLY	-	expression tag	UNP Q04926
A	-2	SER	-	expression tag	UNP Q04926
A	-1	HIS	-	expression tag	UNP Q04926

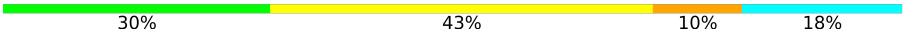
4 Residue-property plots

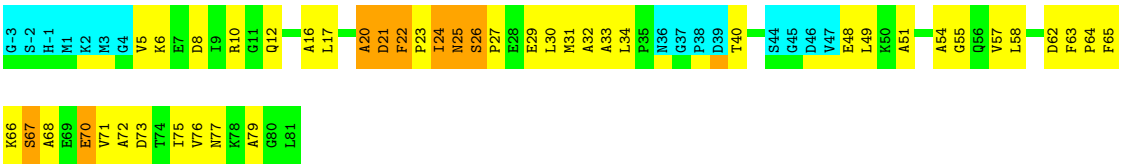
4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: conserved hypothetical protein MTH865

Chain A:





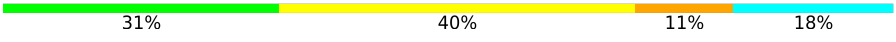
4.2 Scores per residue for each member of the ensemble

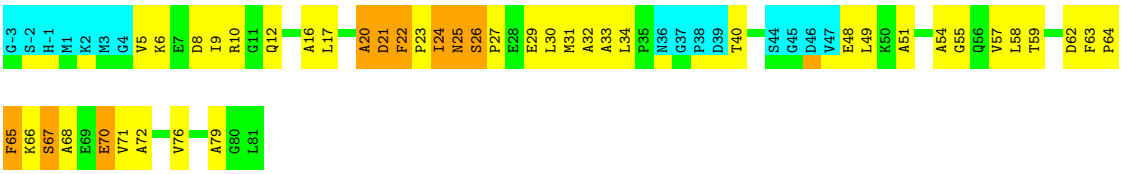
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: conserved hypothetical protein MTH865

Chain A:

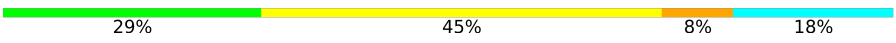


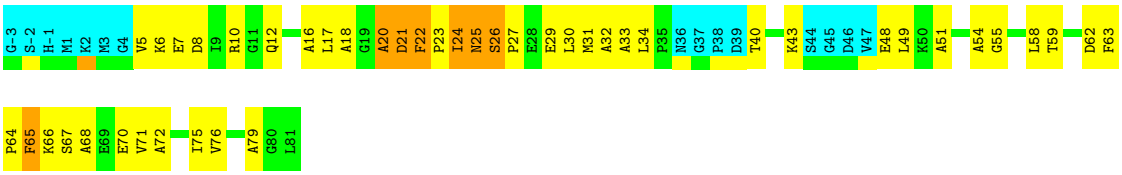


4.2.2 Score per residue for model 2

• Molecule 1: conserved hypothetical protein MTH865

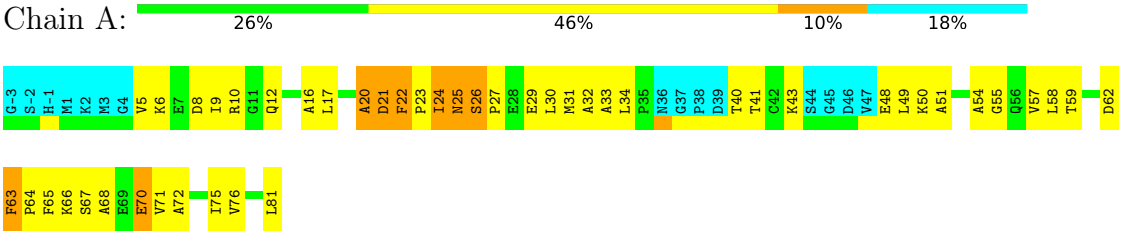
Chain A:





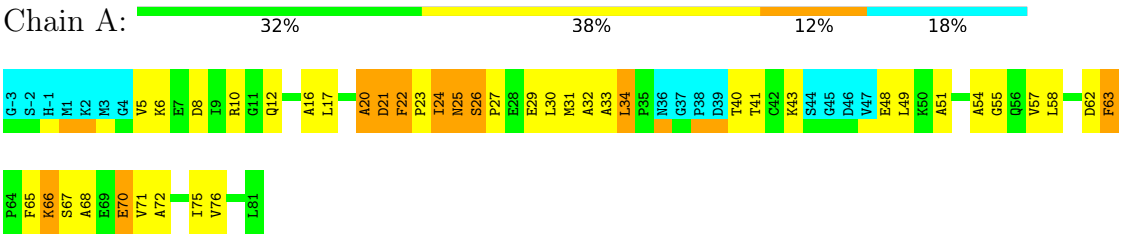
4.2.3 Score per residue for model 3

• Molecule 1: conserved hypothetical protein MTH865



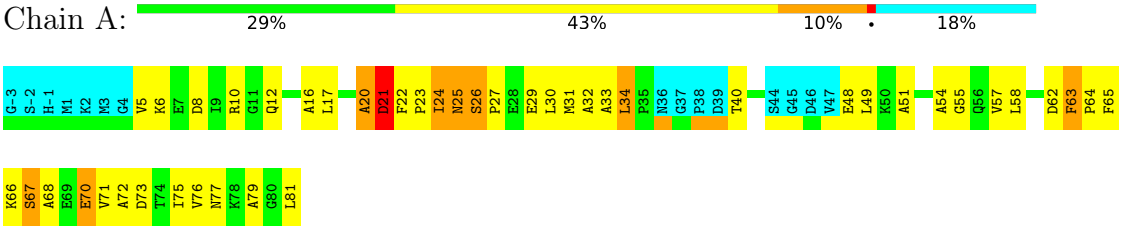
4.2.4 Score per residue for model 4

• Molecule 1: conserved hypothetical protein MTH865



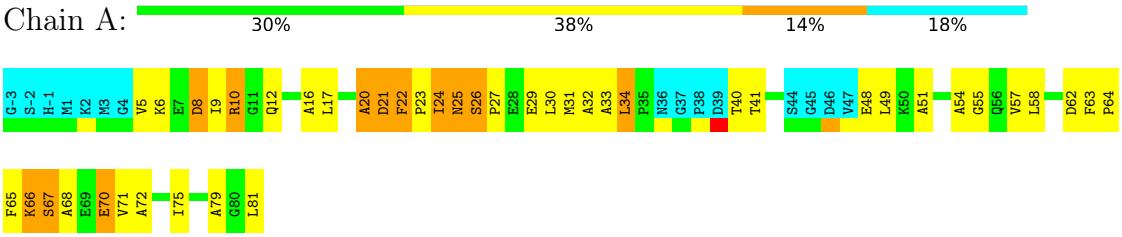
4.2.5 Score per residue for model 5 (medoid)

• Molecule 1: conserved hypothetical protein MTH865



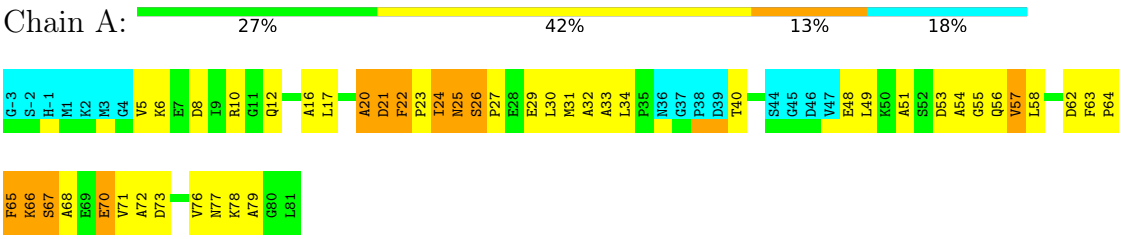
4.2.6 Score per residue for model 6

• Molecule 1: conserved hypothetical protein MTH865



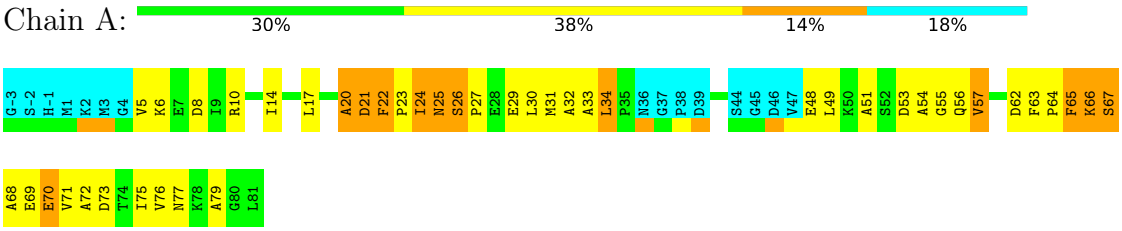
4.2.7 Score per residue for model 7

• Molecule 1: conserved hypothetical protein MTH865



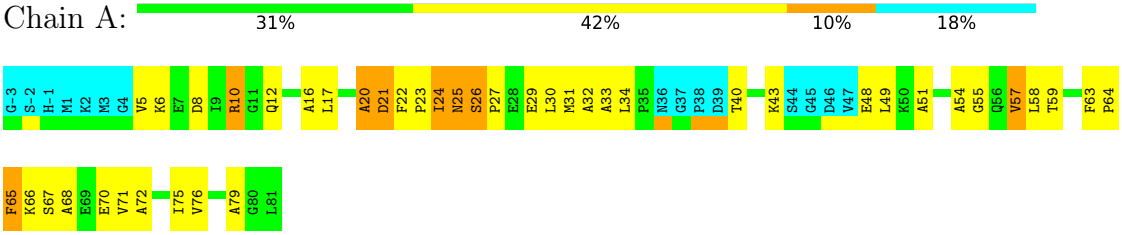
4.2.8 Score per residue for model 8

• Molecule 1: conserved hypothetical protein MTH865



4.2.9 Score per residue for model 9

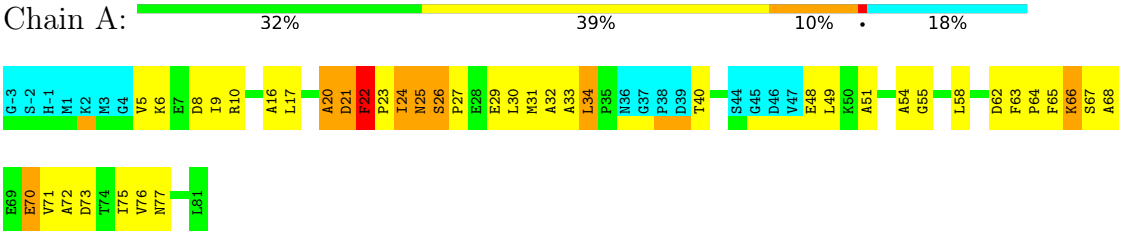
• Molecule 1: conserved hypothetical protein MTH865



4.2.10 Score per residue for model 10

• Molecule 1: conserved hypothetical protein MTH865

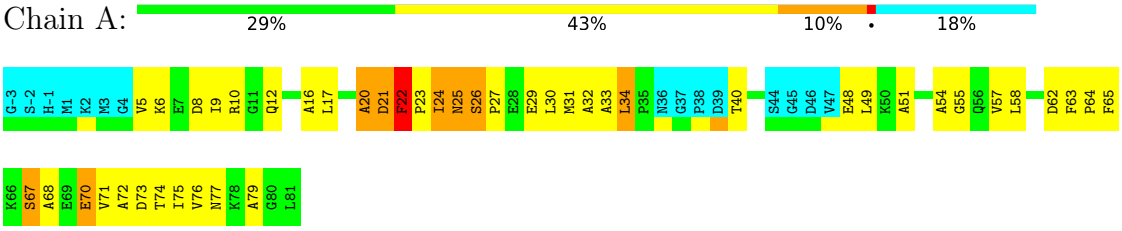
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: conserved hypothetical protein MTH865

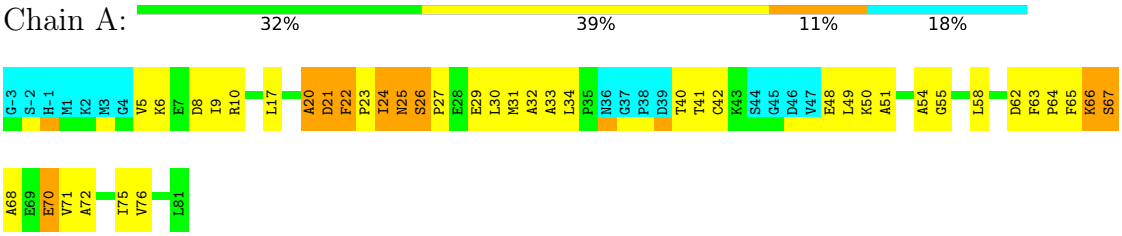
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: conserved hypothetical protein MTH865

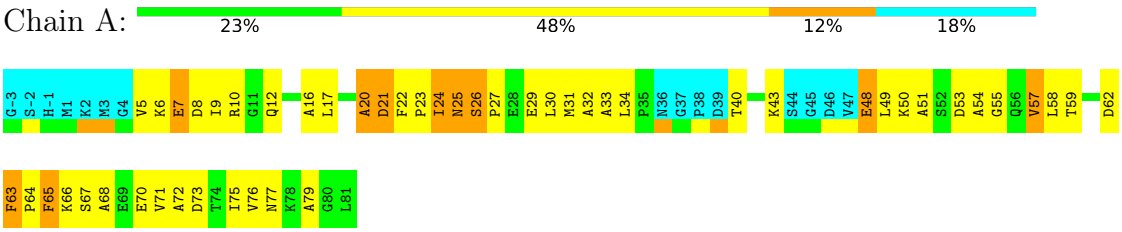
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: conserved hypothetical protein MTH865

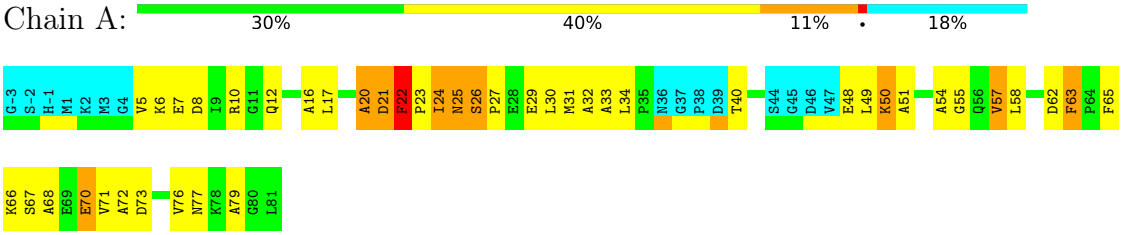
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: conserved hypothetical protein MTH865

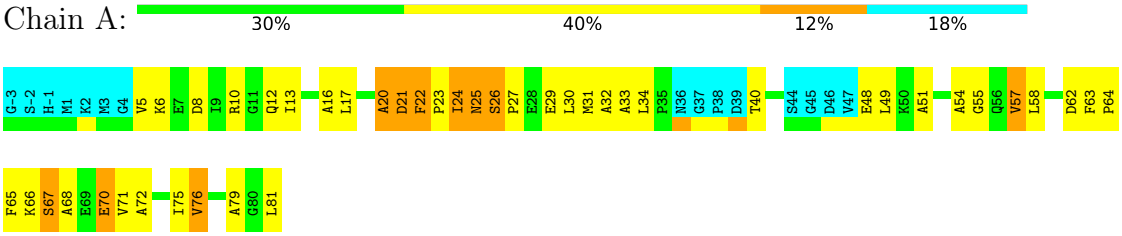
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: conserved hypothetical protein MTH865

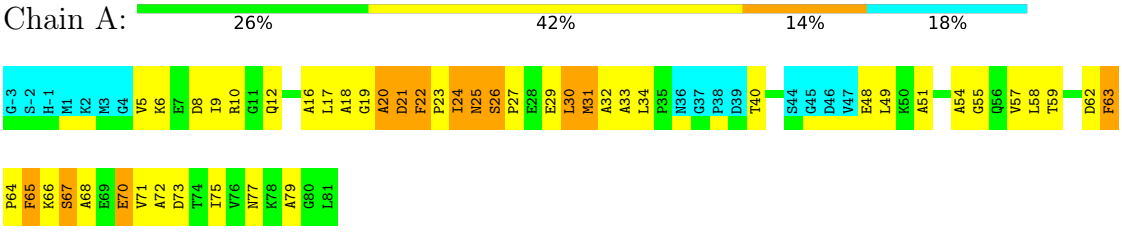
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: conserved hypothetical protein MTH865

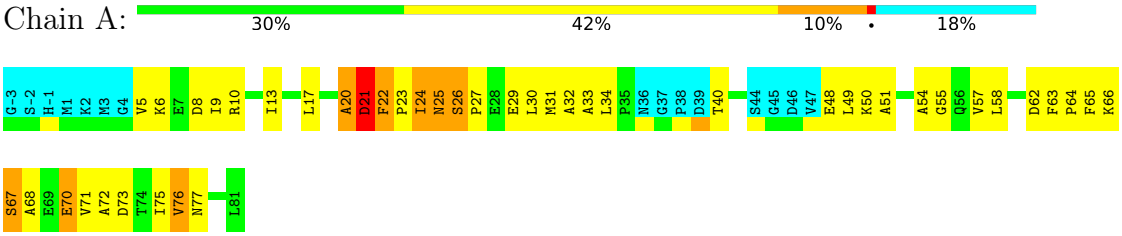
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: conserved hypothetical protein MTH865

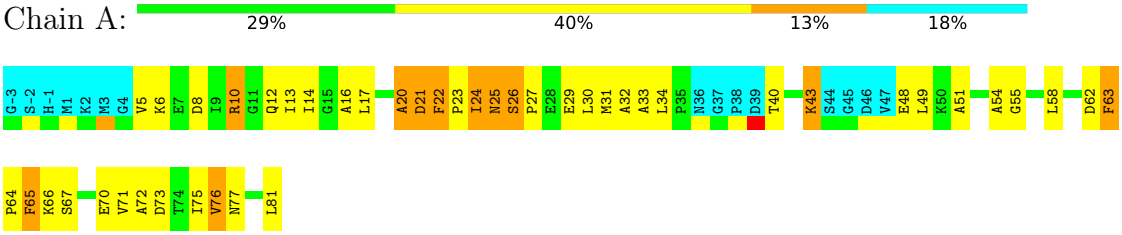
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: conserved hypothetical protein MTH865

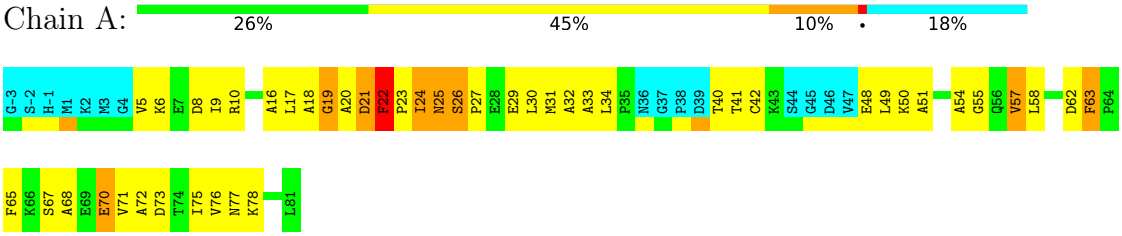
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: conserved hypothetical protein MTH865

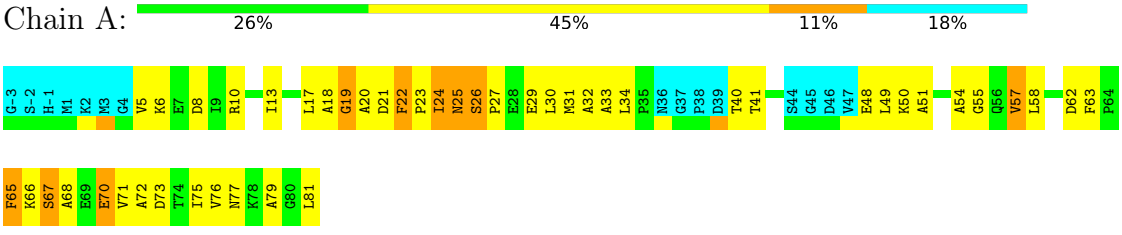
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: conserved hypothetical protein MTH865

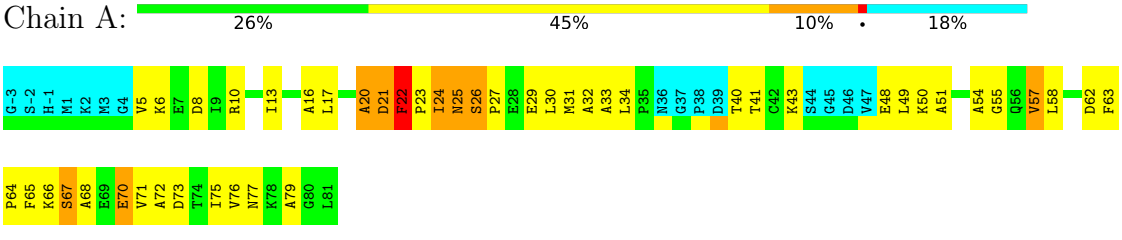
Chain A:



4.2.21 Score per residue for model 21

• Molecule 1: conserved hypothetical protein MTH865

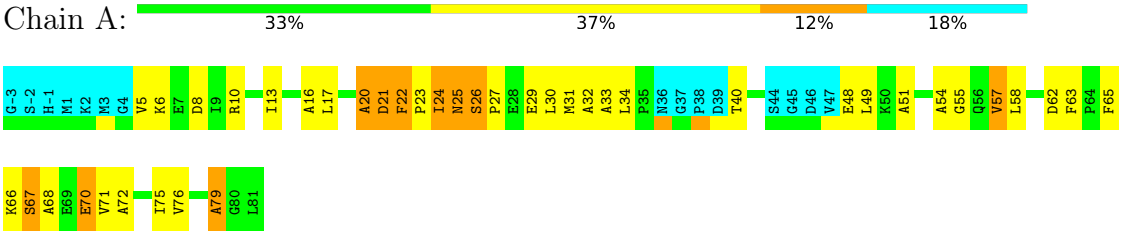
Chain A:



4.2.22 Score per residue for model 22

• Molecule 1: conserved hypothetical protein MTH865

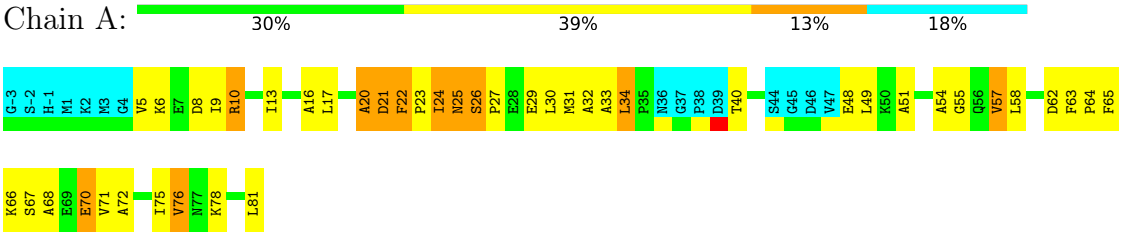
Chain A:



4.2.23 Score per residue for model 23

• Molecule 1: conserved hypothetical protein MTH865

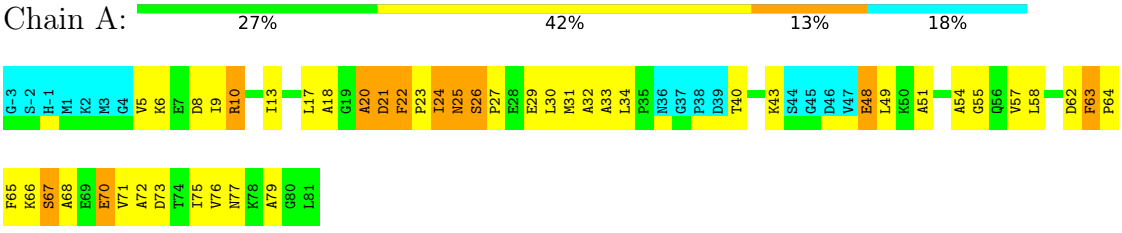
Chain A:



4.2.24 Score per residue for model 24

• Molecule 1: conserved hypothetical protein MTH865

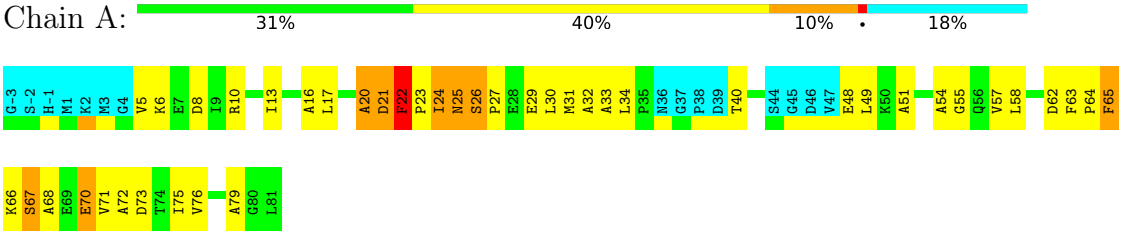
Chain A:



4.2.25 Score per residue for model 25

• Molecule 1: conserved hypothetical protein MTH865

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 50 calculated structures, 25 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
ARIA/CNS	structure solution	1.0
ARIA/CNS	refinement	1.0

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	945
Number of shifts mapped to atoms	945
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	96%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	505	505	505	98±6
All	All	12625	12625	12625	2443

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 97.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:24:ILE:HG21	1:A:71:VAL:HG21	1.12	1.19	1	25
1:A:17:LEU:HD22	1:A:24:ILE:HD12	0.96	1.35	9	25
1:A:24:ILE:HG23	1:A:30:LEU:HD22	0.94	1.39	16	25
1:A:24:ILE:HG21	1:A:71:VAL:CG2	0.91	1.96	2	25
1:A:17:LEU:HD22	1:A:24:ILE:CD1	0.90	1.96	20	25
1:A:24:ILE:CG2	1:A:71:VAL:HG21	0.90	1.97	2	25
1:A:65:PHE:CG	1:A:71:VAL:HG22	0.87	2.04	16	21
1:A:17:LEU:HD21	1:A:30:LEU:HD13	0.87	1.47	20	25
1:A:54:ALA:O	1:A:57:VAL:HG22	0.87	1.70	8	21
1:A:65:PHE:CD1	1:A:71:VAL:HG22	0.86	2.06	22	21
1:A:48:GLU:C	1:A:49:LEU:HD22	0.84	1.97	15	25
1:A:10:ARG:CD	1:A:76:VAL:HG13	0.84	2.03	24	9
1:A:65:PHE:CD2	1:A:71:VAL:HG22	0.83	2.09	10	3
1:A:17:LEU:CD2	1:A:30:LEU:HD13	0.82	2.03	25	25

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:10:ARG:NH2	1:A:13:ILE:HG21	0.82	1.87	22	6
1:A:10:ARG:HD2	1:A:76:VAL:HG13	0.81	1.52	23	3
1:A:22:PHE:CE1	1:A:24:ILE:C	0.79	2.61	20	25
1:A:54:ALA:CB	1:A:75:ILE:HG23	0.79	2.06	24	13
1:A:54:ALA:HB1	1:A:75:ILE:HG23	0.79	1.53	3	10
1:A:24:ILE:HG23	1:A:30:LEU:CD2	0.78	2.09	22	25
1:A:72:ALA:O	1:A:76:VAL:HG22	0.77	1.78	11	19
1:A:27:PRO:O	1:A:31:MET:HB2	0.77	1.79	16	22
1:A:22:PHE:C	1:A:22:PHE:CD1	0.76	2.62	22	25
1:A:20:ALA:HB2	1:A:33:ALA:HB2	0.74	1.59	20	10
1:A:10:ARG:HG2	1:A:72:ALA:HB1	0.74	1.60	19	15
1:A:50:LYS:O	1:A:54:ALA:HB3	0.73	1.83	19	5
1:A:10:ARG:NE	1:A:13:ILE:HD12	0.73	1.99	23	3
1:A:10:ARG:CG	1:A:72:ALA:HB1	0.73	2.13	3	16
1:A:9:ILE:HD13	1:A:49:LEU:HD23	0.73	1.60	16	2
1:A:30:LEU:HD12	1:A:31:MET:N	0.72	2.00	7	20
1:A:17:LEU:HB3	1:A:24:ILE:HD11	0.71	1.63	8	25
1:A:22:PHE:CD2	1:A:25:ASN:ND2	0.71	2.58	7	7
1:A:22:PHE:HD1	1:A:23:PRO:N	0.70	1.84	10	24
1:A:57:VAL:O	1:A:58:LEU:HD23	0.70	1.86	9	5
1:A:24:ILE:HG22	1:A:24:ILE:O	0.69	1.87	2	21
1:A:10:ARG:HG3	1:A:72:ALA:HB1	0.69	1.63	17	10
1:A:54:ALA:HB1	1:A:79:ALA:HB2	0.68	1.65	25	14
1:A:23:PRO:HB2	1:A:67:SER:HA	0.68	1.66	22	25
1:A:27:PRO:O	1:A:31:MET:CB	0.68	2.42	13	23
1:A:58:LEU:HD13	1:A:65:PHE:CZ	0.68	2.23	10	15
1:A:34:LEU:CG	1:A:40:THR:HG22	0.67	2.19	19	1
1:A:31:MET:HA	1:A:34:LEU:HD13	0.67	1.66	9	19
1:A:30:LEU:O	1:A:34:LEU:HD12	0.67	1.90	13	6
1:A:31:MET:HG3	1:A:51:ALA:HB3	0.67	1.67	5	5
1:A:5:VAL:CG2	1:A:8:ASP:HB3	0.67	2.20	18	3
1:A:6:LYS:HE2	1:A:76:VAL:HG21	0.67	1.67	24	3
1:A:5:VAL:CG2	1:A:8:ASP:HB2	0.66	2.20	22	22
1:A:22:PHE:HE1	1:A:24:ILE:C	0.66	1.97	22	1
1:A:20:ALA:CB	1:A:33:ALA:HB2	0.66	2.20	20	12
1:A:16:ALA:HB1	1:A:34:LEU:HG	0.66	1.66	22	5
1:A:54:ALA:HB3	1:A:75:ILE:HG23	0.65	1.68	8	7
1:A:22:PHE:CG	1:A:23:PRO:HD2	0.65	2.26	22	1
1:A:22:PHE:CZ	1:A:24:ILE:O	0.65	2.49	2	19
1:A:10:ARG:HD2	1:A:76:VAL:CG1	0.64	2.20	24	3
1:A:20:ALA:CA	1:A:33:ALA:HB2	0.64	2.23	12	23

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:22:PHE:C	1:A:22:PHE:HD1	0.64	2.00	14	10
1:A:24:ILE:HG13	1:A:68:ALA:HA	0.64	1.70	22	24
1:A:26:SER:C	1:A:30:LEU:HD23	0.64	2.18	16	1
1:A:10:ARG:NH1	1:A:75:ILE:HG22	0.64	2.08	23	2
1:A:21:ASP:HB2	1:A:25:ASN:CG	0.64	2.18	19	25
1:A:22:PHE:HB2	1:A:23:PRO:HD2	0.62	1.72	24	24
1:A:31:MET:HE2	1:A:51:ALA:H	0.62	1.52	16	1
1:A:30:LEU:O	1:A:33:ALA:HB3	0.62	1.95	20	1
1:A:20:ALA:HB2	1:A:33:ALA:CB	0.62	2.23	20	13
1:A:10:ARG:HD3	1:A:76:VAL:HG13	0.62	1.72	22	7
1:A:22:PHE:CE2	1:A:25:ASN:HA	0.61	2.29	9	17
1:A:24:ILE:O	1:A:24:ILE:HG22	0.61	1.94	18	4
1:A:20:ALA:HA	1:A:33:ALA:HB2	0.61	1.71	16	22
1:A:31:MET:HG2	1:A:51:ALA:HB3	0.61	1.71	9	6
1:A:10:ARG:CZ	1:A:13:ILE:HG21	0.61	2.25	22	5
1:A:27:PRO:O	1:A:31:MET:HB3	0.61	1.96	13	7
1:A:24:ILE:CG2	1:A:30:LEU:HD22	0.60	2.23	16	1
1:A:25:ASN:HB2	1:A:29:GLU:CB	0.60	2.25	19	25
1:A:22:PHE:CD1	1:A:23:PRO:N	0.60	2.69	14	25
1:A:16:ALA:O	1:A:34:LEU:HD12	0.60	1.96	2	3
1:A:25:ASN:HB2	1:A:29:GLU:HG2	0.59	1.73	21	25
1:A:10:ARG:CD	1:A:72:ALA:HB1	0.59	2.27	8	2
1:A:62:ASP:HB3	1:A:65:PHE:CE2	0.59	2.32	12	20
1:A:27:PRO:HB3	1:A:51:ALA:HB1	0.59	1.73	16	1
1:A:22:PHE:CE1	1:A:24:ILE:O	0.59	2.55	4	25
1:A:25:ASN:CB	1:A:29:GLU:HB3	0.59	2.27	20	25
1:A:31:MET:HE2	1:A:51:ALA:N	0.59	2.12	16	1
1:A:25:ASN:HB2	1:A:29:GLU:CG	0.58	2.27	10	25
1:A:31:MET:SD	1:A:51:ALA:HB2	0.58	2.38	16	1
1:A:30:LEU:HD12	1:A:30:LEU:C	0.58	2.23	19	18
1:A:54:ALA:CB	1:A:79:ALA:HB2	0.58	2.28	25	8
1:A:48:GLU:O	1:A:49:LEU:HD22	0.58	1.98	24	18
1:A:51:ALA:O	1:A:55:GLY:HA3	0.58	1.98	9	22
1:A:23:PRO:O	1:A:24:ILE:CB	0.58	2.52	21	25
1:A:10:ARG:HH12	1:A:75:ILE:HG22	0.58	1.58	23	2
1:A:24:ILE:HG23	1:A:30:LEU:HD23	0.58	1.75	10	6
1:A:9:ILE:CD1	1:A:49:LEU:HD23	0.57	2.29	16	1
1:A:58:LEU:HD22	1:A:65:PHE:CZ	0.57	2.34	16	2
1:A:34:LEU:HG	1:A:40:THR:HG22	0.57	1.77	19	1
1:A:30:LEU:O	1:A:34:LEU:HD13	0.57	2.00	2	4
1:A:23:PRO:O	1:A:24:ILE:HG12	0.57	2.00	20	25

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:58:LEU:HD22	1:A:65:PHE:HZ	0.57	1.60	16	13
1:A:41:THR:HG21	1:A:43:LYS:CE	0.56	2.30	3	1
1:A:34:LEU:HD23	1:A:40:THR:HG22	0.56	1.77	21	12
1:A:58:LEU:HD13	1:A:65:PHE:CE2	0.56	2.35	17	13
1:A:6:LYS:HE3	1:A:76:VAL:HG21	0.56	1.78	17	2
1:A:27:PRO:C	1:A:31:MET:HE2	0.56	2.26	10	6
1:A:22:PHE:N	1:A:25:ASN:OD1	0.55	2.39	2	17
1:A:5:VAL:HA	1:A:8:ASP:HB2	0.55	1.78	23	22
1:A:22:PHE:HZ	1:A:63:PHE:O	0.55	1.85	9	9
1:A:25:ASN:HB2	1:A:29:GLU:HB3	0.55	1.78	19	25
1:A:25:ASN:CB	1:A:29:GLU:CB	0.55	2.86	7	25
1:A:34:LEU:HB3	1:A:40:THR:HG22	0.55	1.79	14	2
1:A:49:LEU:HD22	1:A:49:LEU:N	0.54	2.17	16	6
1:A:9:ILE:HG23	1:A:42:CYS:HB2	0.54	1.80	19	2
1:A:23:PRO:O	1:A:24:ILE:HB	0.54	2.01	22	25
1:A:22:PHE:O	1:A:24:ILE:N	0.54	2.40	7	21
1:A:31:MET:CG	1:A:51:ALA:HB3	0.54	2.32	20	7
1:A:5:VAL:HG23	1:A:8:ASP:HB2	0.54	1.78	14	22
1:A:19:GLY:C	1:A:33:ALA:HB1	0.53	2.28	19	1
1:A:66:LYS:O	1:A:70:GLU:HB3	0.53	2.02	4	5
1:A:5:VAL:HG23	1:A:8:ASP:HB3	0.53	1.79	8	3
1:A:5:VAL:HA	1:A:8:ASP:HB3	0.53	1.80	15	3
1:A:31:MET:HE2	1:A:51:ALA:CB	0.53	2.33	16	2
1:A:10:ARG:NH2	1:A:13:ILE:HD11	0.53	2.18	24	1
1:A:31:MET:SD	1:A:51:ALA:HB3	0.53	2.42	25	1
1:A:5:VAL:HG23	1:A:8:ASP:CB	0.53	2.33	3	23
1:A:34:LEU:HD23	1:A:40:THR:CG2	0.53	2.34	21	2
1:A:27:PRO:HA	1:A:30:LEU:HG	0.53	1.81	24	25
1:A:29:GLU:O	1:A:32:ALA:N	0.53	2.42	22	25
1:A:33:ALA:O	1:A:34:LEU:C	0.53	2.52	23	23
1:A:25:ASN:O	1:A:26:SER:O	0.53	2.27	2	25
1:A:6:LYS:O	1:A:10:ARG:HB2	0.53	2.04	9	11
1:A:10:ARG:CZ	1:A:76:VAL:HG13	0.52	2.33	18	2
1:A:22:PHE:CD2	1:A:25:ASN:OD1	0.52	2.62	20	17
1:A:22:PHE:CZ	1:A:25:ASN:HA	0.52	2.39	12	17
1:A:23:PRO:C	1:A:24:ILE:HG12	0.52	2.30	19	22
1:A:22:PHE:CG	1:A:25:ASN:ND2	0.52	2.77	21	7
1:A:66:LYS:HB2	1:A:70:GLU:HG2	0.51	1.80	4	2
1:A:63:PHE:CB	1:A:64:PRO:CD	0.51	2.88	1	16
1:A:34:LEU:CB	1:A:40:THR:HG22	0.51	2.36	19	1
1:A:59:THR:N	1:A:62:ASP:OD2	0.51	2.42	3	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:24:ILE:CG1	1:A:68:ALA:HA	0.51	2.34	22	13
1:A:26:SER:HB3	1:A:63:PHE:HA	0.51	1.83	4	12
1:A:10:ARG:HH22	1:A:75:ILE:HD12	0.51	1.66	15	5
1:A:9:ILE:HG22	1:A:10:ARG:NH2	0.51	2.20	24	1
1:A:31:MET:CE	1:A:51:ALA:HB2	0.51	2.36	16	1
1:A:10:ARG:HE	1:A:10:ARG:HA	0.50	1.66	24	1
1:A:20:ALA:O	1:A:21:ASP:O	0.50	2.28	6	24
1:A:23:PRO:O	1:A:24:ILE:CG1	0.50	2.60	10	24
1:A:30:LEU:C	1:A:30:LEU:HD12	0.50	2.31	6	5
1:A:20:ALA:HB2	1:A:30:LEU:HA	0.50	1.82	24	5
1:A:25:ASN:O	1:A:29:GLU:HB3	0.50	2.07	20	19
1:A:10:ARG:CZ	1:A:13:ILE:HD13	0.50	2.37	25	6
1:A:20:ALA:N	1:A:33:ALA:CB	0.50	2.75	2	6
1:A:65:PHE:CD1	1:A:70:GLU:OE2	0.50	2.64	5	8
1:A:65:PHE:CE1	1:A:70:GLU:OE2	0.50	2.65	4	3
1:A:17:LEU:HD23	1:A:30:LEU:HD13	0.50	1.80	10	6
1:A:17:LEU:HB3	1:A:24:ILE:CD1	0.49	2.37	5	13
1:A:22:PHE:CB	1:A:23:PRO:HD2	0.49	2.37	22	19
1:A:31:MET:HE3	1:A:34:LEU:HD21	0.49	1.84	16	1
1:A:12:GLN:O	1:A:16:ALA:HB2	0.49	2.07	7	14
1:A:66:LYS:O	1:A:70:GLU:CB	0.49	2.60	13	4
1:A:65:PHE:CD1	1:A:71:VAL:CG2	0.49	2.94	7	7
1:A:26:SER:HB3	1:A:63:PHE:CG	0.49	2.42	1	1
1:A:62:ASP:HB3	1:A:65:PHE:CE1	0.49	2.43	14	3
1:A:10:ARG:CD	1:A:72:ALA:O	0.49	2.60	18	2
1:A:73:ASP:O	1:A:77:ASN:ND2	0.49	2.45	19	10
1:A:5:VAL:CG2	1:A:8:ASP:CB	0.49	2.90	3	18
1:A:51:ALA:O	1:A:55:GLY:CA	0.49	2.60	25	11
1:A:73:ASP:O	1:A:76:VAL:HG23	0.49	2.08	17	4
1:A:57:VAL:HG21	1:A:78:LYS:CB	0.48	2.38	19	3
1:A:30:LEU:CD1	1:A:31:MET:SD	0.48	3.01	16	1
1:A:5:VAL:O	1:A:6:LYS:C	0.48	2.57	6	25
1:A:66:LYS:HB3	1:A:70:GLU:CD	0.48	2.33	16	5
1:A:9:ILE:CG2	1:A:10:ARG:NH2	0.48	2.77	24	1
1:A:24:ILE:O	1:A:26:SER:N	0.48	2.45	22	25
1:A:10:ARG:HD3	1:A:76:VAL:CG1	0.48	2.38	22	5
1:A:54:ALA:HB1	1:A:75:ILE:CG2	0.48	2.38	17	1
1:A:30:LEU:CD1	1:A:31:MET:N	0.48	2.75	7	7
1:A:10:ARG:NH1	1:A:75:ILE:CG2	0.48	2.76	23	2
1:A:66:LYS:HB2	1:A:70:GLU:CD	0.48	2.33	22	2
1:A:22:PHE:CG	1:A:23:PRO:CD	0.48	2.95	22	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:66:LYS:HA	1:A:66:LYS:HE3	0.47	1.86	6	1
1:A:22:PHE:CG	1:A:25:ASN:OD1	0.47	2.67	20	5
1:A:22:PHE:CZ	1:A:63:PHE:O	0.47	2.67	2	1
1:A:65:PHE:CG	1:A:71:VAL:CG2	0.47	2.96	9	3
1:A:6:LYS:C	1:A:6:LYS:HD3	0.47	2.34	10	6
1:A:14:ILE:HD11	1:A:72:ALA:HB2	0.47	1.86	18	1
1:A:6:LYS:HD3	1:A:6:LYS:C	0.47	2.34	21	2
1:A:34:LEU:HD12	1:A:34:LEU:H	0.47	1.69	6	3
1:A:34:LEU:HD23	1:A:40:THR:H	0.47	1.70	16	1
1:A:76:VAL:HG12	1:A:81:LEU:HD12	0.47	1.86	20	3
1:A:29:GLU:O	1:A:32:ALA:HB3	0.47	2.11	18	6
1:A:24:ILE:CG2	1:A:24:ILE:O	0.47	2.60	13	5
1:A:25:ASN:HB3	1:A:29:GLU:CB	0.47	2.39	20	1
1:A:54:ALA:HB3	1:A:75:ILE:CG2	0.46	2.40	2	2
1:A:10:ARG:NE	1:A:72:ALA:HA	0.46	2.25	15	4
1:A:41:THR:HB	1:A:50:LYS:HB3	0.46	1.86	19	1
1:A:66:LYS:HB3	1:A:70:GLU:OE1	0.46	2.10	21	1
1:A:21:ASP:C	1:A:22:PHE:O	0.46	2.58	14	8
1:A:51:ALA:O	1:A:55:GLY:N	0.46	2.48	25	1
1:A:10:ARG:CZ	1:A:13:ILE:CD1	0.46	2.94	21	8
1:A:24:ILE:CB	1:A:71:VAL:HG21	0.46	2.40	22	2
1:A:10:ARG:NH2	1:A:75:ILE:HD12	0.46	2.26	21	3
1:A:65:PHE:CD1	1:A:70:GLU:CD	0.46	2.94	8	1
1:A:30:LEU:O	1:A:34:LEU:CD1	0.46	2.64	10	5
1:A:10:ARG:HH21	1:A:13:ILE:HG21	0.46	1.66	21	2
1:A:43:LYS:CB	1:A:48:GLU:HA	0.45	2.40	24	3
1:A:22:PHE:CB	1:A:23:PRO:CD	0.45	2.95	10	5
1:A:31:MET:HG3	1:A:34:LEU:HD22	0.45	1.86	16	1
1:A:27:PRO:HA	1:A:30:LEU:CG	0.45	2.41	7	24
1:A:21:ASP:CB	1:A:25:ASN:CG	0.45	2.88	14	11
1:A:65:PHE:CD2	1:A:71:VAL:CG2	0.45	2.94	14	2
1:A:50:LYS:HB2	1:A:50:LYS:NZ	0.45	2.27	14	1
1:A:17:LEU:CD2	1:A:30:LEU:CD1	0.45	2.95	16	1
1:A:62:ASP:O	1:A:63:PHE:C	0.45	2.59	3	19
1:A:5:VAL:HG23	1:A:8:ASP:OD2	0.45	2.11	8	1
1:A:14:ILE:HD11	1:A:69:GLU:HA	0.45	1.89	8	1
1:A:10:ARG:NE	1:A:76:VAL:HG13	0.45	2.26	23	2
1:A:26:SER:HB3	1:A:63:PHE:CD1	0.45	2.47	7	13
1:A:65:PHE:HD1	1:A:70:GLU:CG	0.45	2.25	16	5
1:A:43:LYS:HB3	1:A:48:GLU:HA	0.45	1.89	13	1
1:A:21:ASP:OD1	1:A:29:GLU:OE2	0.44	2.35	5	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:22:PHE:CZ	1:A:24:ILE:C	0.44	2.95	2	4
1:A:54:ALA:CB	1:A:75:ILE:CG2	0.44	2.95	20	10
1:A:24:ILE:HG13	1:A:71:VAL:CG2	0.44	2.41	18	1
1:A:12:GLN:O	1:A:16:ALA:CB	0.44	2.66	11	6
1:A:65:PHE:CD2	1:A:70:GLU:OE2	0.44	2.71	14	1
1:A:66:LYS:HB2	1:A:70:GLU:CG	0.44	2.42	1	6
1:A:31:MET:CA	1:A:34:LEU:HD13	0.44	2.43	5	7
1:A:57:VAL:HG21	1:A:78:LYS:HB2	0.44	1.89	19	2
1:A:62:ASP:O	1:A:65:PHE:CD2	0.44	2.71	11	5
1:A:65:PHE:O	1:A:67:SER:N	0.44	2.49	7	4
1:A:70:GLU:HG3	1:A:71:VAL:N	0.44	2.27	23	4
1:A:48:GLU:O	1:A:48:GLU:OE1	0.44	2.35	24	1
1:A:13:ILE:HG22	1:A:17:LEU:CD1	0.44	2.43	24	1
1:A:34:LEU:HD23	1:A:40:THR:N	0.44	2.28	3	3
1:A:21:ASP:CB	1:A:25:ASN:OD1	0.44	2.66	19	6
1:A:7:GLU:OE1	1:A:7:GLU:C	0.43	2.60	13	2
1:A:33:ALA:O	1:A:34:LEU:O	0.43	2.36	8	1
1:A:66:LYS:HB3	1:A:70:GLU:CG	0.43	2.43	21	1
1:A:66:LYS:CB	1:A:70:GLU:CD	0.43	2.91	20	1
1:A:66:LYS:N	1:A:70:GLU:HG2	0.43	2.28	23	1
1:A:41:THR:HG21	1:A:43:LYS:HE3	0.43	1.89	3	1
1:A:58:LEU:HD13	1:A:65:PHE:CE1	0.43	2.48	14	1
1:A:65:PHE:CD2	1:A:70:GLU:HG3	0.43	2.49	18	1
1:A:20:ALA:CA	1:A:33:ALA:CB	0.43	2.96	6	8
1:A:22:PHE:HB2	1:A:23:PRO:CD	0.43	2.42	10	5
1:A:66:LYS:N	1:A:66:LYS:HD2	0.43	2.27	14	1
1:A:48:GLU:N	1:A:48:GLU:CD	0.43	2.77	21	1
1:A:76:VAL:HG12	1:A:81:LEU:HB2	0.43	1.90	18	1
1:A:49:LEU:HD12	1:A:79:ALA:HB1	0.43	1.89	1	2
1:A:17:LEU:O	1:A:19:GLY:N	0.43	2.49	20	3
1:A:65:PHE:CD1	1:A:70:GLU:HG3	0.42	2.49	2	2
1:A:66:LYS:CA	1:A:70:GLU:HG2	0.42	2.44	23	1
1:A:41:THR:OG1	1:A:50:LYS:HD3	0.42	2.14	20	2
1:A:17:LEU:HD21	1:A:30:LEU:CD1	0.42	2.39	16	1
1:A:10:ARG:NH2	1:A:13:ILE:CD1	0.42	2.81	24	1
1:A:6:LYS:HA	1:A:81:LEU:HD13	0.42	1.90	3	1
1:A:41:THR:HG21	1:A:43:LYS:HE2	0.42	1.90	3	1
1:A:21:ASP:HB2	1:A:29:GLU:HG2	0.42	1.91	20	1
1:A:25:ASN:CB	1:A:29:GLU:HG2	0.42	2.45	20	1
1:A:22:PHE:HE1	1:A:24:ILE:O	0.42	1.96	22	1
1:A:25:ASN:C	1:A:26:SER:O	0.42	2.63	5	15

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:66:LYS:C	1:A:70:GLU:HG2	0.42	2.39	23	2
1:A:41:THR:HA	1:A:50:LYS:HB3	0.42	1.91	12	1
1:A:50:LYS:CE	1:A:53:ASP:OD1	0.42	2.67	13	1
1:A:25:ASN:O	1:A:26:SER:OG	0.42	2.32	22	2
1:A:73:ASP:O	1:A:77:ASN:OD1	0.42	2.36	11	2
1:A:71:VAL:O	1:A:75:ILE:HG13	0.42	2.15	23	1
1:A:21:ASP:CG	1:A:29:GLU:HG2	0.42	2.39	22	1
1:A:5:VAL:CG2	1:A:9:ILE:HG13	0.42	2.45	10	6
1:A:41:THR:HG21	1:A:43:LYS:NZ	0.41	2.30	4	1
1:A:10:ARG:NH1	1:A:10:ARG:HB3	0.41	2.29	6	1
1:A:26:SER:CB	1:A:63:PHE:CD1	0.41	3.03	7	2
1:A:75:ILE:O	1:A:79:ALA:CB	0.41	2.68	16	3
1:A:24:ILE:O	1:A:24:ILE:CG2	0.41	2.65	14	1
1:A:41:THR:HB	1:A:50:LYS:CE	0.41	2.44	19	1
1:A:63:PHE:CB	1:A:64:PRO:HD3	0.41	2.45	24	1
1:A:66:LYS:HA	1:A:66:LYS:CE	0.41	2.45	6	1
1:A:10:ARG:NE	1:A:13:ILE:CD1	0.41	2.79	18	1
1:A:65:PHE:CD2	1:A:70:GLU:CD	0.41	2.97	23	1
1:A:63:PHE:N	1:A:64:PRO:CD	0.41	2.84	23	3
1:A:53:ASP:O	1:A:56:GLN:NE2	0.41	2.53	8	2
1:A:73:ASP:O	1:A:76:VAL:CG2	0.41	2.68	8	1
1:A:5:VAL:CA	1:A:8:ASP:HB2	0.41	2.46	25	3
1:A:6:LYS:C	1:A:6:LYS:CD	0.41	2.94	9	1
1:A:24:ILE:CG2	1:A:30:LEU:HD23	0.41	2.44	10	1
1:A:30:LEU:HD12	1:A:31:MET:SD	0.41	2.55	16	1
1:A:21:ASP:OD2	1:A:29:GLU:CD	0.41	2.64	18	1
1:A:66:LYS:HB2	1:A:70:GLU:OE1	0.41	2.16	5	1
1:A:62:ASP:O	1:A:65:PHE:CD1	0.41	2.74	10	1
1:A:10:ARG:NH2	1:A:76:VAL:HG21	0.41	2.31	14	1
1:A:22:PHE:CD1	1:A:24:ILE:N	0.41	2.89	22	1
1:A:65:PHE:HB3	1:A:71:VAL:CG2	0.41	2.46	20	2
1:A:41:THR:CG2	1:A:48:GLU:OE2	0.41	2.69	6	1
1:A:55:GLY:O	1:A:58:LEU:N	0.41	2.52	16	1
1:A:20:ALA:CB	1:A:30:LEU:HA	0.41	2.45	24	1
1:A:41:THR:OG1	1:A:49:LEU:N	0.40	2.54	12	2
1:A:66:LYS:NZ	1:A:66:LYS:HB3	0.40	2.31	12	1
1:A:7:GLU:C	1:A:7:GLU:OE1	0.40	2.64	14	1
1:A:73:ASP:O	1:A:77:ASN:CG	0.40	2.64	7	2
1:A:58:LEU:CD2	1:A:74:THR:CG2	0.40	3.00	11	1
1:A:19:GLY:C	1:A:33:ALA:CB	0.40	2.94	19	1
1:A:43:LYS:C	1:A:43:LYS:HD2	0.40	2.41	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:49:LEU:CD2	1:A:49:LEU:N	0.40	2.84	19	1
1:A:76:VAL:O	1:A:81:LEU:N	0.40	2.55	5	1
1:A:43:LYS:HD2	1:A:43:LYS:C	0.40	2.41	9	1
1:A:59:THR:OG1	1:A:62:ASP:OD1	0.40	2.39	1	1
1:A:23:PRO:O	1:A:67:SER:HA	0.40	2.16	19	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	68/84 (81%)	51±2 (75±2%)	10±2 (15±3%)	7±1 (10±1%)	1	9
All	All	1700/2100 (81%)	1280 (75%)	249 (15%)	171 (10%)	1	9

All 14 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	24	ILE	25
1	A	25	ASN	25
1	A	26	SER	25
1	A	21	ASP	24
1	A	20	ALA	23
1	A	67	SER	15
1	A	57	VAL	11
1	A	34	LEU	7
1	A	22	PHE	6
1	A	18	ALA	5
1	A	19	GLY	2
1	A	66	LYS	1
1	A	59	THR	1
1	A	79	ALA	1

6.3.2 Protein sidechains

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	53/64 (83%)	50±1 (94±2%)	3±1 (6±2%)	17	66
All	All	1325/1600 (83%)	1239 (94%)	86 (6%)	17	66

All 15 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	22	PHE	22
1	A	70	GLU	21
1	A	65	PHE	10
1	A	63	PHE	9
1	A	66	LYS	5
1	A	10	ARG	5
1	A	76	VAL	4
1	A	21	ASP	2
1	A	48	GLU	2
1	A	8	ASP	1
1	A	7	GLU	1
1	A	50	LYS	1
1	A	30	LEU	1
1	A	31	MET	1
1	A	43	LYS	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 96% for the well-defined parts and 91% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	945
Number of shifts mapped to atoms	945
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	80	-0.32 ± 0.20	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	72	-0.12 ± 0.11	None needed (< 0.5 ppm)
$^{13}C'$	70	-0.23 ± 0.15	None needed (< 0.5 ppm)
^{15}N	75	0.69 ± 0.49	None needed (imprecise)

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 96%, i.e. 834 atoms were assigned a chemical shift out of a possible 873. 0 out of 10 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	333/342 (97%)	139/139 (100%)	129/138 (93%)	65/65 (100%)
Sidechain	471/501 (94%)	324/328 (99%)	142/161 (88%)	5/12 (42%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	30/30 (100%)	15/15 (100%)	15/15 (100%)	0/0 (—%)
Overall	834/873 (96%)	478/482 (99%)	286/314 (91%)	70/77 (91%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 91%, i.e. 945 atoms were assigned a chemical shift out of a possible 1034. 0 out of 11 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	388/419 (93%)	163/172 (95%)	150/168 (89%)	75/79 (95%)
Sidechain	527/577 (91%)	362/377 (96%)	159/186 (85%)	6/14 (43%)
Aromatic	30/38 (79%)	15/19 (79%)	15/17 (88%)	0/2 (0%)
Overall	945/1034 (91%)	540/568 (95%)	324/371 (87%)	81/95 (85%)

7.1.4 Statistically unusual chemical shifts (i)

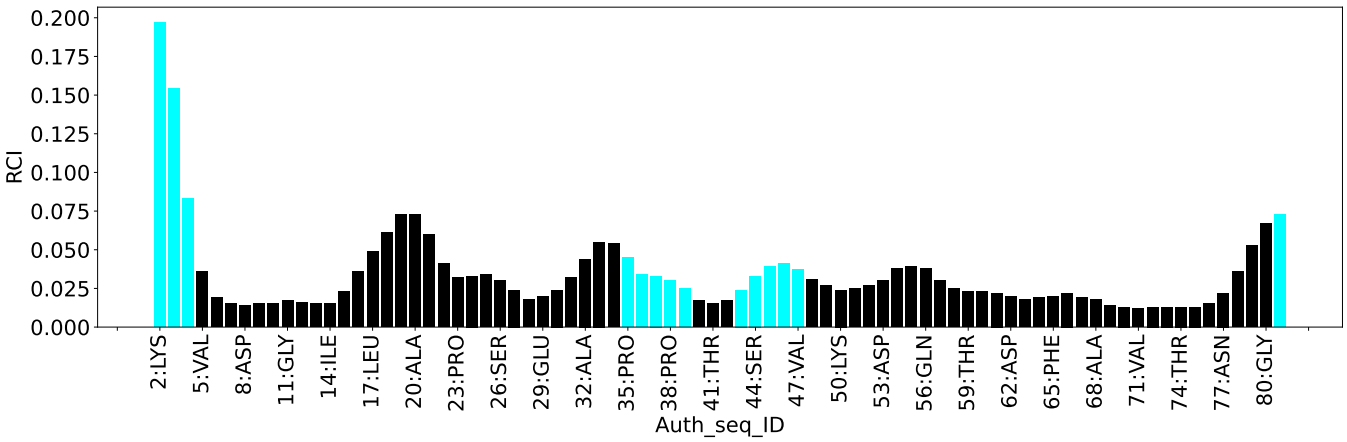
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	10	ARG	NE	113.83	76.53 – 92.65	18.1

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 A:


RCI
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
2:LYS
5:VAL
8:ASP
11:GLY
14:ILE
17:LEU
20:ALA
23:PRO
26:SER
29:GLU
32:ALA
35:PRO
38:PRO
41:THR
44:SER
47:VAL
50:LYS
53:ASP
56:GLN
59:THR
62:ASP
65:PHE
68:ALA
71:VAL
74:THR
77:ASN
80:GLY
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	1915
Intra-residue (|i-j|=0)	379
Sequential (|i-j|=1)	267
Medium range (|i-j|>1 and |i-j|<5)	678
Long range (|i-j|≥5)	540
Inter-chain	0
Hydrogen bond restraints	51
Disulfide bond restraints	0
Total dihedral-angle restraints	102
Number of unmapped restraints	0
Number of restraints per residue	24.0
Number of long range restraints per residue[1]	6.4

[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)	32.5	0.2
0.2-0.5 (Medium)	66.2	0.5
>0.5 (Large)	708.1	18.4

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	10.9	9.94
10.0-20.0 (Medium)	5.0	19.83
>20.0 (Large)	31.4	165.29

9 Distance violation analysis (i)

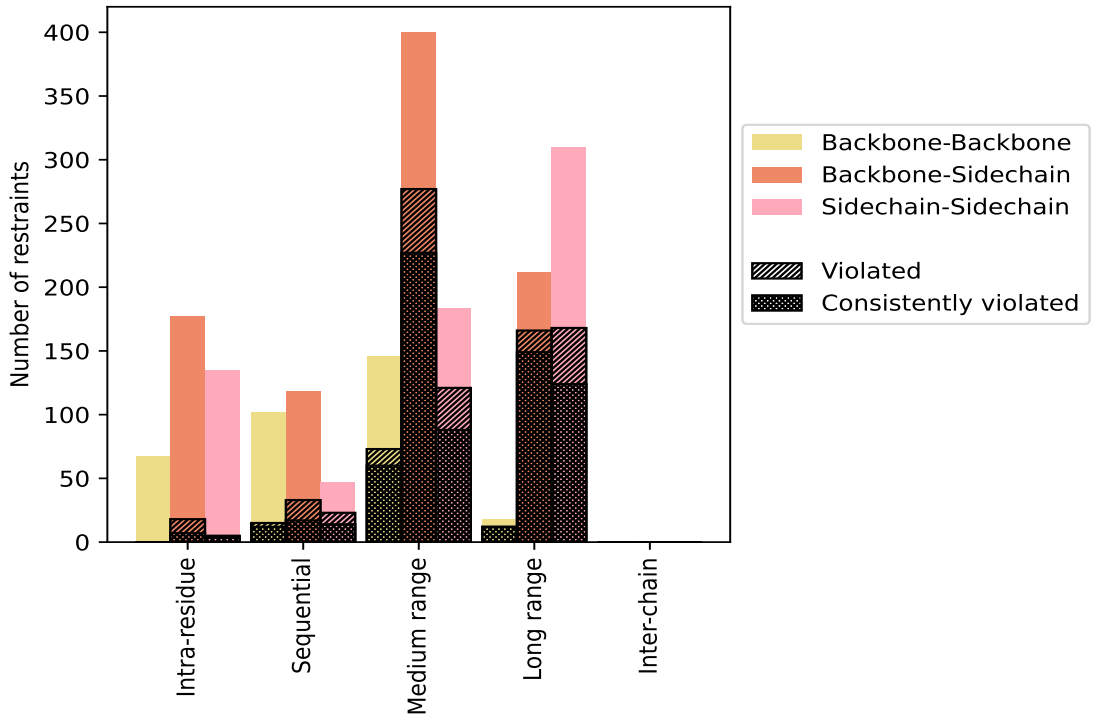
9.1 Summary of distance violations (i)

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)	379	19.8	23	6.1	1.2	11	2.9	0.6
Backbone-Backbone	67	3.5	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	177	9.2	18	10.2	0.9	7	4.0	0.4
Sidechain-Sidechain	135	7.0	5	3.7	0.3	4	3.0	0.2
Sequential (|i-j|=1)	267	13.9	71	26.6	3.7	43	16.1	2.2
Backbone-Backbone	102	5.3	15	14.7	0.8	12	11.8	0.6
Backbone-Sidechain	118	6.2	33	28.0	1.7	17	14.4	0.9
Sidechain-Sidechain	47	2.5	23	48.9	1.2	14	29.8	0.7
Medium range (|i-j|>1 & |i-j|<5)	678	35.4	449	66.2	23.4	356	52.5	18.6
Backbone-Backbone	146	7.6	73	50.0	3.8	60	41.1	3.1
Backbone-Sidechain	349	18.2	255	73.1	13.3	208	59.6	10.9
Sidechain-Sidechain	183	9.6	121	66.1	6.3	88	48.1	4.6
Long range (|i-j|≥5)	540	28.2	346	64.1	18.1	285	52.8	14.9
Backbone-Backbone	18	0.9	12	66.7	0.6	12	66.7	0.6
Backbone-Sidechain	212	11.1	166	78.3	8.7	149	70.3	7.8
Sidechain-Sidechain	310	16.2	168	54.2	8.8	124	40.0	6.5
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	51	2.7	22	43.1	1.1	19	37.3	1.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1915	100.0	911	47.6	47.6	714	37.3	37.3
Backbone-Backbone	333	17.4	100	30.0	5.2	84	25.2	4.4
Backbone-Sidechain	907	47.4	494	54.5	25.8	400	44.1	20.9
Sidechain-Sidechain	675	35.2	317	47.0	16.6	230	34.1	12.0

[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	16	62	424	304	0	806	2.91	14.92	2.39	2.36
2	16	65	429	293	0	803	2.93	17.45	2.44	2.4
3	13	61	428	295	0	797	2.94	15.57	2.42	2.4
4	18	62	423	301	0	804	2.95	18.4	2.5	2.38
5	15	61	429	302	0	807	2.89	16.7	2.45	2.3
6	18	62	429	301	0	810	2.93	14.91	2.41	2.38
7	17	63	420	299	0	799	2.95	17.49	2.44	2.41
8	16	63	416	300	0	795	2.98	15.49	2.47	2.43
9	15	64	423	300	0	802	2.89	16.08	2.41	2.32
10	19	63	430	300	0	812	2.9	16.16	2.43	2.34

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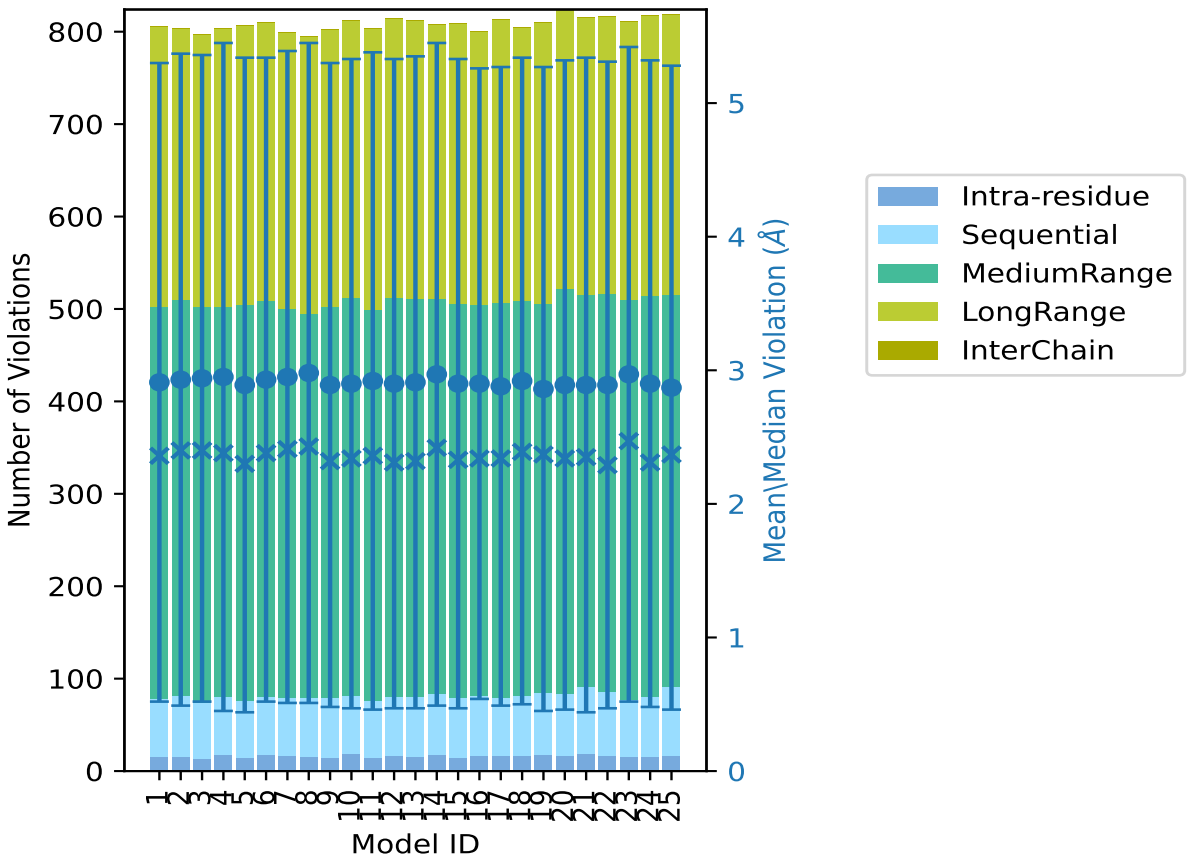
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	14	62	423	304	0	803	2.92	16.76	2.46	2.36
12	17	64	431	302	0	814	2.9	15.44	2.43	2.31
13	16	65	430	301	0	812	2.91	15.51	2.44	2.32
14	17	67	427	297	0	808	2.97	16.64	2.48	2.42
15	15	64	427	303	0	809	2.9	14.9	2.43	2.33
16	17	64	423	296	0	800	2.9	14.95	2.36	2.34
17	17	62	428	306	0	813	2.88	14.6	2.39	2.34
18	17	64	428	296	0	805	2.92	15.13	2.42	2.39
19	17	68	420	305	0	810	2.86	15.92	2.41	2.37
20	16	68	438	302	0	824	2.89	15.76	2.43	2.34
21	19	72	424	300	0	815	2.89	16.71	2.45	2.35
22	16	70	431	299	0	816	2.89	16.18	2.42	2.29
23	16	61	433	301	0	811	2.97	16.73	2.45	2.47
24	16	65	434	303	0	818	2.9	16.22	2.42	2.31
25	17	74	424	304	0	819	2.87	15.5	2.41	2.37

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

9.3 Distance violation statistics for the ensemble

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 975(IR:356, SQ:196, MR:229, LR:194, 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]	%
2	3	12	14	0	31	1	4.0
0	2	1	3	0	6	2	8.0
0	2	2	2	0	6	3	12.0
2	0	5	1	0	8	4	16.0
1	0	7	1	0	9	5	20.0
1	0	0	2	0	3	6	24.0

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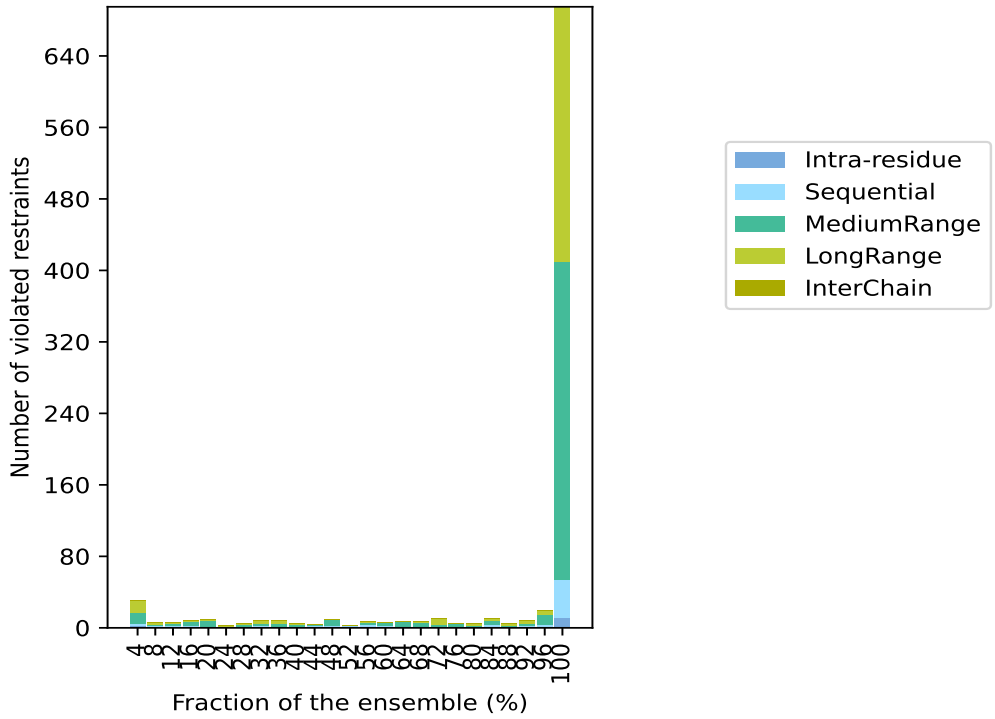
Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
0	1	2	2	0	5	7	28.0
0	2	3	3	0	8	8	32.0
0	0	5	3	0	8	9	36.0
0	1	2	2	0	5	10	40.0
0	3	0	1	0	4	11	44.0
2	0	7	0	0	9	12	48.0
1	1	1	0	0	3	13	52.0
1	2	3	1	0	7	14	56.0
1	1	3	1	0	6	15	60.0
0	0	7	0	0	7	16	64.0
0	1	4	2	0	7	17	68.0
0	1	3	6	0	10	18	72.0
0	0	4	1	0	5	19	76.0
0	0	2	3	0	5	20	80.0
1	2	5	2	0	10	21	84.0
0	1	1	3	0	5	22	88.0
0	2	2	4	0	8	23	92.0
0	3	12	4	0	19	24	96.0
11	43	356	285	0	695	25	100.0

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

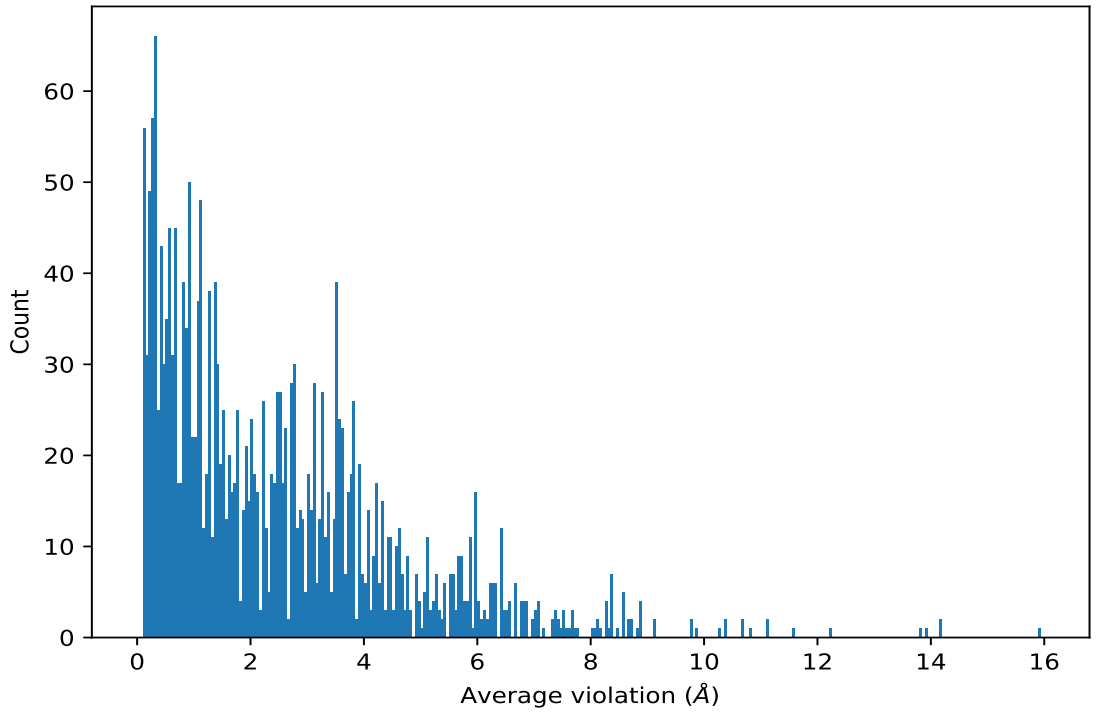
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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)
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	25	15.94	0.98	15.92
(1,1541)	1:46:A:ASP:HB2	1:39:A:ASP:HB2	25	14.19	0.71	14.02
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	25	14.19	0.71	14.02
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	25	13.91	0.95	13.99
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	25	13.85	0.48	13.78
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	25	12.21	0.79	12.31
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	25	11.59	0.52	11.45
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	25	11.13	0.54	11.27
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	25	11.13	0.54	11.27
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	25	10.81	0.14	10.83
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	25	10.69	0.08	10.7
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	25	10.67	0.25	10.65
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	25	10.38	0.55	10.28
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	25	10.36	0.91	9.93
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	25	10.25	1.04	10.59
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	25	9.89	0.53	10.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	25	9.77	0.85	9.75
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	25	9.76	0.23	9.82
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	25	9.14	0.18	9.16
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	25	9.11	0.35	9.0
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	25	8.88	0.26	8.91
(1,992)	1:35:A:PRO:HG3	1:32:A:ALA:HB3	25	8.88	0.26	8.91
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB3	25	8.88	0.26	8.91
(1,992)	1:35:A:PRO:HG3	1:32:A:ALA:HB2	25	8.88	0.26	8.91
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	25	8.83	0.64	8.82
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	25	8.74	0.93	8.5
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	25	8.74	0.93	8.5
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	25	8.65	0.07	8.65
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	25	8.65	0.07	8.65
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	25	8.59	0.18	8.56
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	25	8.59	0.18	8.56
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	25	8.59	0.18	8.56
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	25	8.57	0.12	8.54
(1,738)	1:14:A:ILE:HG12	1:66:A:LYS:HA	25	8.57	0.12	8.54
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	25	8.46	0.08	8.49
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	25	8.37	0.14	8.39
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	25	8.37	0.14	8.39
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	25	8.37	0.14	8.39
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	25	8.37	0.14	8.39
(1,1642)	1:68:A:ALA:HB3	1:62:A:ASP:HB3	25	8.35	0.15	8.39
(1,1642)	1:68:A:ALA:HB1	1:62:A:ASP:HB3	25	8.35	0.15	8.39
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	25	8.35	0.15	8.39
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	25	8.34	0.17	8.34
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	25	8.29	1.13	8.16
(1,1108)	1:66:A:LYS:HG2	1:63:A:PHE:HB3	25	8.29	1.13	8.16
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	25	8.28	0.33	8.21
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	25	8.28	0.33	8.21
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	25	8.2	0.69	8.43
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	25	8.12	0.18	8.16
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	25	8.11	0.06	8.11
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	25	8.08	0.13	8.1
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	25	8.0	0.08	8.0
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	25	7.76	0.12	7.79
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	25	7.73	0.58	7.49
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	25	7.67	0.43	7.87
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	25	7.66	0.08	7.66
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	25	7.66	0.08	7.66
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	25	7.62	0.63	7.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	25	7.56	0.28	7.61
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	25	7.5	1.41	7.51
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	25	7.5	1.15	7.62
(1,640)	1:66:A:LYS:HG2	1:63:A:PHE:HA	25	7.5	1.15	7.62
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	25	7.47	0.3	7.51
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	25	7.42	0.85	7.06
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	25	7.41	0.24	7.45
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	25	7.38	0.49	7.45
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	25	7.38	0.49	7.45
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	25	7.37	0.1	7.38
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	25	7.33	0.73	7.12
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	25	7.31	0.41	7.37
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	25	7.18	0.35	7.12
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	25	7.08	0.63	6.97
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	25	7.08	0.63	6.97
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	25	7.07	0.67	6.87
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	25	7.07	0.67	6.87
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	25	7.05	0.37	6.89
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB3	25	7.05	0.37	6.89
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	25	7.04	0.04	7.04
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	25	6.96	0.59	7.24
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	25	6.96	0.59	7.24
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD12	25	6.87	0.6	6.55
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD12	25	6.87	0.6	6.55
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD13	25	6.87	0.6	6.55
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD13	25	6.87	0.6	6.55
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	25	6.85	0.23	6.87
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	25	6.84	0.43	6.8
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	25	6.84	0.43	6.8
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	25	6.84	0.43	6.8
(1,794)	1:14:A:ILE:HG12	1:66:A:LYS:HG3	25	6.76	1.23	7.57
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	25	6.76	1.23	7.57
(1,794)	1:14:A:ILE:HG12	1:66:A:LYS:HG2	25	6.76	1.23	7.57
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG2	25	6.76	1.23	7.57
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	25	6.69	0.16	6.73
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	25	6.68	0.23	6.76
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	25	6.68	0.23	6.76
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	25	6.68	0.23	6.76
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	25	6.65	0.09	6.62
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	25	6.65	0.09	6.62
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	25	6.59	0.13	6.59
(1,1592)	1:24:A:ILE:HG22	1:21:A:ASP:HA	25	6.59	0.13	6.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1592)	1:17:A:LEU:HB3	1:21:A:ASP:HA	25	6.59	0.13	6.59
(1,1592)	1:24:A:ILE:HG21	1:21:A:ASP:HA	25	6.59	0.13	6.59
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	25	6.54	0.13	6.49
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	25	6.5	0.13	6.52
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	25	6.5	0.13	6.52
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	25	6.48	0.58	6.25
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	25	6.48	0.58	6.25
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	25	6.48	0.58	6.25
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	25	6.44	0.08	6.43
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	25	6.44	1.03	6.41
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	25	6.44	1.03	6.41
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	25	6.42	0.29	6.43
(1,1717)	1:49:A:LEU:HD12	1:46:A:ASP:HB2	25	6.4	0.45	6.4
(1,1717)	1:49:A:LEU:HD13	1:46:A:ASP:HB2	25	6.4	0.45	6.4
(1,1717)	1:49:A:LEU:HD11	1:46:A:ASP:HB2	25	6.4	0.45	6.4
(1,1717)	1:81:A:LEU:HD12	1:46:A:ASP:HB3	25	6.4	0.45	6.4
(1,1717)	1:49:A:LEU:HD12	1:46:A:ASP:HB3	25	6.4	0.45	6.4
(1,1717)	1:81:A:LEU:HD13	1:46:A:ASP:HB3	25	6.4	0.45	6.4
(1,1717)	1:81:A:LEU:HD11	1:46:A:ASP:HB3	25	6.4	0.45	6.4
(1,1717)	1:49:A:LEU:HD11	1:46:A:ASP:HB3	25	6.4	0.45	6.4
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	25	6.33	0.53	6.24
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	25	6.33	0.53	6.24
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	25	6.33	0.53	6.24
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	25	6.31	1.14	6.2
(1,1540)	1:13:A:ILE:HD13	1:39:A:ASP:HB2	25	6.31	1.14	6.2
(1,1540)	1:13:A:ILE:HD11	1:39:A:ASP:HB2	25	6.31	1.14	6.2
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	25	6.27	0.18	6.25
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	25	6.27	0.18	6.25
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	25	6.27	0.18	6.25
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	25	6.25	0.2	6.31
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	25	6.25	0.2	6.31
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	25	6.25	0.2	6.31
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	25	6.23	0.19	6.24
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	25	6.23	0.19	6.24
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	25	6.23	0.19	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	25	6.23	0.19	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	25	6.23	0.19	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	25	6.23	0.19	6.24
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	25	6.19	0.13	6.21
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	25	6.19	0.13	6.21
(1,1537)	1:76:A:VAL:HG12	1:69:A:GLU:HB2	25	6.14	0.26	6.12
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	25	6.14	0.26	6.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1537)	1:76:A:VAL:HG13	1:69:A:GLU:HB2	25	6.14	0.26	6.12
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	25	6.07	0.54	6.26
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	25	6.07	0.54	6.26
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	25	6.02	0.06	6.01
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	25	6.0	0.41	5.89
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	25	6.0	0.41	5.89
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	25	6.0	0.41	5.89
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	25	5.99	0.2	6.01
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	25	5.99	0.2	6.01
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB3	25	5.98	0.68	6.02
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB2	25	5.98	0.68	6.02
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB2	25	5.98	0.68	6.02
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB3	25	5.98	0.68	6.02
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	25	5.97	0.16	6.02
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	25	5.97	0.16	6.02
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	25	5.97	0.16	6.02
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	25	5.96	0.21	6.0
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	25	5.96	0.21	6.0
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	25	5.96	0.25	5.97
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	25	5.95	0.07	5.96
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	25	5.95	0.21	5.94
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	25	5.95	0.21	5.94
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	25	5.95	0.21	5.94
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	25	5.91	0.25	5.93
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	25	5.87	1.37	5.87
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	25	5.86	0.3	5.87
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	25	5.86	0.3	5.87
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	25	5.86	0.3	5.87
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	25	5.86	0.3	5.87
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	25	5.86	0.3	5.87
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	25	5.86	0.3	5.87
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	25	5.86	0.95	5.67
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	25	5.86	0.95	5.67
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	25	5.86	0.95	5.67
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	25	5.86	0.95	5.67
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	25	5.84	0.16	5.82
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	25	5.84	0.1	5.85
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	25	5.84	0.1	5.85
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	25	5.84	0.1	5.85
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	25	5.8	0.07	5.79
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	25	5.79	1.34	6.38
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	25	5.78	0.27	5.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	25	5.78	0.27	5.74
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	25	5.74	0.66	5.64
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	25	5.74	0.66	5.64
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	25	5.74	0.66	5.64
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	25	5.73	0.48	6.0
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	25	5.73	0.48	6.0
(1,665)	1:48:A:GLU:HB2	1:45:A:GLY:HA2	25	5.73	0.48	6.0
(1,665)	1:48:A:GLU:HB2	1:45:A:GLY:HA3	25	5.73	0.48	6.0
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	25	5.7	0.04	5.69
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	25	5.7	0.18	5.68
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG21	25	5.69	1.09	6.04
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG21	25	5.69	1.09	6.04
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG23	25	5.69	1.09	6.04
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG23	25	5.69	1.09	6.04
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG22	25	5.69	1.09	6.04
(1,1783)	1:65:A:PHE:HB3	1:14:A:ILE:HG23	25	5.69	1.09	6.04
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG22	25	5.69	1.09	6.04
(1,1783)	1:65:A:PHE:HB3	1:14:A:ILE:HG21	25	5.69	1.09	6.04
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	25	5.69	0.05	5.68
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	25	5.62	0.08	5.61
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	25	5.62	0.08	5.61
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	25	5.61	0.24	5.59
(1,1718)	1:49:A:LEU:HD22	1:46:A:ASP:HB3	25	5.58	0.65	5.33
(1,1718)	1:49:A:LEU:HD23	1:46:A:ASP:HB3	25	5.58	0.65	5.33
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	25	5.58	0.65	5.33
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	25	5.57	0.06	5.57
(1,1527)	1:68:A:ALA:HB3	1:65:A:PHE:HA	25	5.56	0.07	5.56
(1,1527)	1:68:A:ALA:HB1	1:65:A:PHE:HA	25	5.56	0.07	5.56
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	25	5.56	0.07	5.56
(1,1750)	1:49:A:LEU:HA	1:31:A:MET:HE2	25	5.55	0.82	5.36
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	25	5.55	0.82	5.36
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	25	5.54	0.2	5.56
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	25	5.53	0.55	5.41
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	25	5.53	0.55	5.41
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	25	5.53	0.55	5.41
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	25	5.53	0.55	5.41
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	25	5.4	0.45	5.46
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	25	5.4	0.45	5.46
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	25	5.4	0.45	5.46
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	25	5.4	0.45	5.46
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	25	5.4	0.45	5.46
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	25	5.4	0.45	5.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	25	5.38	0.11	5.34
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	25	5.36	0.17	5.42
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	25	5.33	0.13	5.34
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	25	5.33	0.07	5.34
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	25	5.33	0.07	5.34
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	25	5.29	0.23	5.23
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	25	5.29	0.23	5.23
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	25	5.26	0.06	5.28
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	25	5.26	0.06	5.28
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	25	5.26	0.06	5.28
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	25	5.26	0.15	5.33
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	25	5.26	0.59	5.15
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	25	5.24	0.11	5.27
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	25	5.22	0.48	5.22
(1,688)	1:60:A:ALA:HB3	1:57:A:VAL:HA	25	5.22	0.48	5.22
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	25	5.2	0.32	5.27
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	25	5.16	0.34	5.09
(1,567)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	25	5.16	0.34	5.09
(1,567)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	25	5.16	0.34	5.09
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	25	5.13	0.2	5.15
(1,1790)	1:69:A:GLU:HB2	1:10:A:ARG:HB3	25	5.13	0.2	5.15
(1,1790)	1:16:A:ALA:HB2	1:10:A:ARG:HB3	25	5.13	0.2	5.15
(1,1790)	1:16:A:ALA:HB3	1:10:A:ARG:HB3	25	5.13	0.2	5.15
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	25	5.13	0.17	5.17
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	25	5.13	0.17	5.17
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	25	5.12	0.24	5.2
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	25	5.12	0.24	5.2
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	25	5.11	0.25	5.2
(1,1349)	1:48:A:GLU:HB2	1:51:A:ALA:H	25	5.11	0.25	5.2
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	25	5.11	0.13	5.12
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	25	5.1	0.24	5.21
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	25	5.07	0.7	5.45
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	25	5.07	0.7	5.45
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	25	5.06	0.12	5.07
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	25	5.06	0.12	5.07
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	25	5.02	0.13	5.04
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	25	4.99	0.07	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	25	4.99	0.07	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	25	4.99	0.07	5.01
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	25	4.98	0.09	4.99
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	25	4.93	0.14	4.91
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	25	4.93	0.14	4.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	25	4.93	0.1	4.93
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	25	4.9	0.14	4.91
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	25	4.9	0.14	4.91
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	25	4.9	0.13	4.94
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	25	4.9	0.13	4.94
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	25	4.85	0.03	4.85
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	25	4.85	0.02	4.86
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	25	4.84	0.02	4.84
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	25	4.75	0.15	4.75
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	25	4.75	0.15	4.75
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	25	4.75	0.15	4.75
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	25	4.75	0.15	4.75
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	25	4.75	0.15	4.75
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	25	4.75	0.15	4.75
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	25	4.75	0.15	4.75
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	25	4.75	0.15	4.75
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	25	4.75	0.15	4.75
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	25	4.7	0.15	4.74
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	25	4.7	0.15	4.74
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	25	4.7	0.15	4.74
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	25	4.67	0.46	4.47
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	25	4.66	0.96	5.29
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	25	4.66	0.96	5.29
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	25	4.66	0.96	5.29
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	25	4.66	0.96	5.29
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	25	4.66	0.96	5.29
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	25	4.66	0.96	5.29
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	25	4.64	0.09	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	25	4.64	0.09	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	25	4.64	0.09	4.66
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB3	25	4.64	0.6	4.91
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB1	25	4.64	0.6	4.91
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	25	4.64	0.6	4.91
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	25	4.64	0.12	4.6
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	25	4.63	0.07	4.64
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	25	4.62	0.08	4.63
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	25	4.62	0.08	4.63
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	25	4.61	0.49	4.74
(1,1059)	1:35:A:PRO:HD3	1:31:A:MET:HB3	25	4.61	0.49	4.74
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	25	4.6	0.41	4.62
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	25	4.6	0.41	4.62
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	25	4.59	0.07	4.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	25	4.58	0.16	4.56
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	25	4.58	0.16	4.56
(1,140)	1:44:A:SER:H	1:41:A:THR:H	25	4.57	0.24	4.64
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	25	4.55	0.23	4.61
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	25	4.55	0.23	4.61
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	25	4.55	0.08	4.55
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	25	4.55	0.08	4.55
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	25	4.53	0.17	4.45
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	25	4.52	0.19	4.56
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	25	4.5	0.1	4.48
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	25	4.48	0.14	4.47
(1,1430)	1:14:A:ILE:HD13	1:66:A:LYS:H	25	4.48	0.14	4.47
(1,1430)	1:14:A:ILE:HD12	1:66:A:LYS:H	25	4.48	0.14	4.47
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	25	4.48	0.3	4.45
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	25	4.48	0.3	4.45
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	25	4.48	0.3	4.45
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	25	4.46	0.1	4.45
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	25	4.46	0.1	4.45
(1,1751)	1:49:A:LEU:HB3	1:31:A:MET:HE2	25	4.46	0.91	4.33
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	25	4.46	0.91	4.33
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	25	4.46	0.13	4.4
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	25	4.44	0.25	4.42
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	25	4.44	0.25	4.42
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	25	4.44	0.25	4.42
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	25	4.43	0.05	4.42
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	25	4.41	0.09	4.41
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	25	4.41	0.09	4.41
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	25	4.41	0.09	4.41
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	25	4.4	0.14	4.42
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	25	4.4	0.12	4.38
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	25	4.4	0.12	4.38
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	25	4.4	0.12	4.38
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	25	4.38	0.08	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	25	4.38	0.08	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	25	4.38	0.08	4.4
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	25	4.35	0.09	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	25	4.35	0.09	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	25	4.35	0.09	4.38
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	25	4.34	0.15	4.38
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	25	4.34	1.37	5.12
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	25	4.33	0.11	4.32
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	25	4.33	0.11	4.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	25	4.32	0.09	4.32
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	25	4.32	0.09	4.32
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	25	4.32	0.53	4.18
(1,1624)	1:51:A:ALA:HB1	1:72:A:ALA:HA	25	4.32	0.53	4.18
(1,1624)	1:51:A:ALA:HB2	1:72:A:ALA:HA	25	4.32	0.53	4.18
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	25	4.3	0.79	3.94
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG23	25	4.3	0.79	3.94
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG22	25	4.3	0.79	3.94
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	25	4.29	0.17	4.37
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	25	4.29	0.17	4.37
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	25	4.29	0.17	4.37
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	25	4.27	0.86	4.5
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	25	4.26	0.18	4.2
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	25	4.25	0.11	4.27
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	25	4.24	0.37	4.22
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	25	4.24	0.37	4.22
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	25	4.24	0.37	4.22
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	25	4.24	0.37	4.22
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	25	4.24	0.37	4.22
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	25	4.24	0.37	4.22
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	25	4.22	0.12	4.25
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	25	4.22	0.12	4.25
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	25	4.22	0.12	4.25
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	25	4.22	0.12	4.25
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	25	4.21	0.14	4.18
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	25	4.21	0.14	4.18
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	25	4.21	0.14	4.18
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	25	4.21	1.45	4.36
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	25	4.2	0.41	4.26
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	25	4.2	0.41	4.26
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	25	4.2	0.41	4.26
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	25	4.17	0.11	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	25	4.17	0.11	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	25	4.17	0.11	4.19
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	25	4.17	0.33	4.22
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB2	25	4.17	0.33	4.22
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	25	4.16	0.62	4.4
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	25	4.16	0.31	4.16
(1,737)	1:13:A:ILE:HD11	1:7:A:GLU:HA	25	4.16	0.31	4.16
(1,737)	1:13:A:ILE:HD12	1:7:A:GLU:HA	25	4.16	0.31	4.16
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	25	4.14	0.13	4.09
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	25	4.11	0.24	4.09

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	25	4.11	0.92	4.42
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	25	4.1	0.72	3.77
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	25	4.1	0.06	4.09
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	25	4.08	0.09	4.08
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	25	4.08	0.09	4.08
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	25	4.08	0.09	4.08
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD12	25	4.07	0.54	3.83
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	25	4.07	0.54	3.83
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	25	4.07	0.05	4.07
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	25	4.07	0.05	4.07
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	25	4.07	0.05	4.07
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	25	4.07	0.1	4.03
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	25	4.07	0.1	4.03
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	25	4.07	0.1	4.03
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	25	4.05	0.03	4.04
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	25	4.03	0.63	4.15
(1,663)	1:48:A:GLU:HG3	1:40:A:THR:HA	25	4.03	0.63	4.15
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	25	4.01	0.23	3.95
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	25	4.0	0.16	3.97
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	25	4.0	0.16	3.97
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	25	4.0	0.16	3.97
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	25	3.97	0.34	4.07
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	25	3.97	0.34	4.07
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	25	3.97	0.34	4.07
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	25	3.97	0.06	3.98
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	25	3.96	0.08	3.95
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	25	3.96	0.08	3.95
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	25	3.95	1.02	4.09
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	25	3.94	0.2	3.95
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	25	3.94	0.2	3.95
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	25	3.93	0.18	3.93
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	25	3.93	0.18	3.93
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	25	3.92	0.23	3.97
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	25	3.92	0.23	3.97
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	25	3.92	0.23	3.97
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	25	3.92	0.23	3.97
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	25	3.92	0.23	3.97
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	25	3.92	0.23	3.97
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	25	3.92	0.13	3.94
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	25	3.92	0.13	3.95
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	25	3.92	0.17	3.9
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	25	3.92	0.17	3.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	25	3.92	0.17	3.9
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	25	3.91	0.05	3.9
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	25	3.91	0.34	3.89
(1,559)	1:13:A:ILE:HG23	1:69:A:GLU:HA	25	3.91	0.34	3.89
(1,559)	1:13:A:ILE:HG22	1:69:A:GLU:HA	25	3.91	0.34	3.89
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	25	3.9	0.04	3.9
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	25	3.88	0.08	3.89
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	25	3.84	0.15	3.84
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	25	3.84	0.15	3.84
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	25	3.84	0.15	3.84
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	25	3.84	0.15	3.84
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	25	3.84	0.15	3.84
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	25	3.84	0.15	3.84
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG2	25	3.84	1.13	3.76
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG3	25	3.84	1.13	3.76
(1,1749)	1:14:A:ILE:HD13	1:7:A:GLU:HG2	25	3.84	1.13	3.76
(1,1749)	1:14:A:ILE:HD12	1:7:A:GLU:HG2	25	3.84	1.13	3.76
(1,1749)	1:14:A:ILE:HD13	1:7:A:GLU:HG3	25	3.84	1.13	3.76
(1,1749)	1:14:A:ILE:HD12	1:7:A:GLU:HG3	25	3.84	1.13	3.76
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	25	3.83	0.8	3.44
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	25	3.83	0.88	3.95
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	25	3.83	0.88	3.95
(1,1469)	1:51:A:ALA:HB3	1:73:A:ASP:H	25	3.83	0.88	3.95
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	25	3.83	0.35	3.86
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	25	3.81	0.11	3.85
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	25	3.81	0.11	3.85
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	25	3.81	0.11	3.85
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	25	3.81	0.11	3.85
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	25	3.81	0.11	3.85
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	25	3.81	0.11	3.85
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	25	3.81	0.17	3.82
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	25	3.81	0.17	3.82
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	25	3.81	0.17	3.82
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	25	3.79	1.07	4.01
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	25	3.79	0.44	3.87
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	25	3.79	0.44	3.87
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	25	3.79	0.44	3.87
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	25	3.77	0.24	3.74
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD3	25	3.77	0.24	3.74
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	25	3.76	0.8	3.93
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	25	3.76	0.15	3.75
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	25	3.75	0.32	3.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	25	3.75	0.32	3.72
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	25	3.75	0.32	3.72
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	25	3.75	0.32	3.72
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	25	3.75	0.32	3.72
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	25	3.75	0.32	3.72
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	25	3.75	0.21	3.75
(1,1058)	1:35:A:PRO:HD3	1:31:A:MET:HA	25	3.75	0.21	3.75
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	25	3.75	0.31	3.69
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	25	3.75	0.31	3.69
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	25	3.73	0.42	3.69
(1,1638)	1:64:A:PRO:HD3	1:60:A:ALA:HB2	25	3.73	0.42	3.69
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB2	25	3.73	0.42	3.69
(1,1638)	1:64:A:PRO:HD3	1:60:A:ALA:HB3	25	3.73	0.42	3.69
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	25	3.73	0.35	3.73
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	25	3.73	0.35	3.73
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	25	3.73	0.35	3.73
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	25	3.73	0.35	3.73
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	25	3.73	0.35	3.73
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	25	3.73	0.35	3.73
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	25	3.72	0.03	3.71
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD3	25	3.71	0.26	3.67
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD3	25	3.71	0.26	3.67
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD2	25	3.71	0.26	3.67
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD2	25	3.71	0.26	3.67
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	25	3.7	0.09	3.71
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	25	3.69	0.64	3.73
(1,664)	1:48:A:GLU:HB2	1:40:A:THR:HA	25	3.69	0.64	3.73
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	25	3.69	0.08	3.69
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	25	3.69	0.08	3.69
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	25	3.67	0.17	3.71
(1,1525)	1:30:A:LEU:HD23	1:65:A:PHE:HA	25	3.67	0.17	3.71
(1,1525)	1:30:A:LEU:HD22	1:65:A:PHE:HA	25	3.67	0.17	3.71
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	25	3.65	0.65	3.75
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	25	3.65	0.65	3.75
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA2	25	3.65	0.65	3.75
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA3	25	3.65	0.65	3.75
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	25	3.64	0.19	3.6
(1,801)	1:12:A:GLN:HB3	1:6:A:LYS:HA	25	3.64	0.19	3.6
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	25	3.64	0.62	3.74
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	25	3.64	0.17	3.7
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	25	3.64	0.17	3.7
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	25	3.64	0.34	3.79

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	25	3.64	0.34	3.79
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	25	3.64	0.34	3.79
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	25	3.63	0.19	3.65
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	25	3.63	0.15	3.64
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	25	3.63	0.15	3.64
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	25	3.63	0.15	3.64
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	25	3.62	0.14	3.64
(1,1859)	1:9:A:ILE:HG23	1:7:A:GLU:HG3	25	3.62	0.19	3.64
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG2	25	3.62	0.19	3.64
(1,1859)	1:9:A:ILE:HG22	1:7:A:GLU:HG2	25	3.62	0.19	3.64
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG3	25	3.62	0.19	3.64
(1,1859)	1:9:A:ILE:HG23	1:7:A:GLU:HG2	25	3.62	0.19	3.64
(1,1859)	1:9:A:ILE:HG22	1:7:A:GLU:HG3	25	3.62	0.19	3.64
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	25	3.58	0.23	3.56
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	25	3.58	0.23	3.56
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	25	3.58	0.23	3.56
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	25	3.58	0.23	3.56
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	25	3.58	0.23	3.56
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	25	3.58	0.23	3.56
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	25	3.58	0.1	3.57
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	25	3.58	0.1	3.57
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG21	25	3.58	0.2	3.54
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG23	25	3.58	0.2	3.54
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG21	25	3.58	0.2	3.54
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG22	25	3.58	0.2	3.54
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG22	25	3.58	0.2	3.54
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG23	25	3.58	0.2	3.54
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	25	3.58	0.28	3.6
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	25	3.58	0.28	3.6
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	25	3.57	0.09	3.55
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	25	3.57	0.09	3.55
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	25	3.57	0.74	3.5
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	25	3.57	0.74	3.5
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	25	3.57	0.74	3.5
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	25	3.57	0.74	3.5
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	25	3.57	0.74	3.5
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	25	3.57	0.74	3.5
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	25	3.55	0.57	3.64
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	25	3.55	0.57	3.64
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	25	3.55	0.57	3.64
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	25	3.55	0.57	3.64
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	25	3.55	0.57	3.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	25	3.55	0.57	3.64
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	25	3.54	0.02	3.54
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	25	3.54	0.02	3.54
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	25	3.54	0.02	3.54
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	25	3.53	0.18	3.53
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	25	3.53	0.18	3.53
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	25	3.52	0.58	3.43
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	25	3.52	0.58	3.43
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	25	3.52	0.58	3.43
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD11	25	3.52	0.58	3.43
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD12	25	3.52	0.58	3.43
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD13	25	3.52	0.58	3.43
(1,1397)	1:9:A:ILE:HG23	1:7:A:GLU:H	25	3.52	0.06	3.53
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	25	3.52	0.06	3.53
(1,1397)	1:9:A:ILE:HG22	1:7:A:GLU:H	25	3.52	0.06	3.53
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	25	3.52	0.16	3.54
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	25	3.52	0.16	3.54
(1,1733)	1:34:A:LEU:HD13	1:27:A:PRO:HG3	25	3.51	0.16	3.54
(1,1733)	1:34:A:LEU:HD12	1:27:A:PRO:HG3	25	3.51	0.16	3.54
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	25	3.51	0.16	3.54
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	25	3.51	0.36	3.64
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	25	3.51	0.36	3.64
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	25	3.51	0.36	3.64
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	25	3.51	0.36	3.64
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	25	3.51	0.36	3.64
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	25	3.51	0.36	3.64
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	25	3.51	0.34	3.49
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG23	25	3.51	0.34	3.49
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG22	25	3.51	0.34	3.49
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	25	3.5	0.04	3.5
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	25	3.5	0.04	3.5
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	25	3.5	0.29	3.56
(1,1689)	1:81:A:LEU:HD13	1:73:A:ASP:HA	25	3.5	0.29	3.56
(1,1689)	1:81:A:LEU:HD12	1:73:A:ASP:HA	25	3.5	0.29	3.56
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	25	3.49	0.3	3.49
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	25	3.49	0.3	3.49
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	25	3.49	0.3	3.49
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD11	25	3.49	0.3	3.49
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD12	25	3.49	0.3	3.49
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD13	25	3.49	0.3	3.49
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	25	3.48	0.14	3.43
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	25	3.47	0.08	3.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	25	3.47	0.08	3.47
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	25	3.46	0.28	3.6
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	25	3.45	0.14	3.43
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	25	3.45	0.14	3.43
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	25	3.45	0.14	3.43
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	25	3.44	0.15	3.45
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	25	3.44	0.15	3.45
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	25	3.44	0.27	3.47
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	25	3.44	0.27	3.47
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	25	3.44	0.27	3.47
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	25	3.39	0.04	3.39
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	25	3.38	0.08	3.39
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	25	3.37	0.23	3.36
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	25	3.37	0.24	3.34
(1,1060)	1:35:A:PRO:HD3	1:31:A:MET:HB2	25	3.37	0.24	3.34
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	25	3.37	0.07	3.38
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	25	3.37	0.74	3.46
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	25	3.37	0.79	3.74
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	25	3.36	0.29	3.43
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	25	3.36	0.96	3.99
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	25	3.36	0.96	3.99
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	25	3.36	0.96	3.99
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	25	3.36	0.96	3.99
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	25	3.36	0.96	3.99
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	25	3.36	0.96	3.99
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	25	3.35	1.39	3.23
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	25	3.34	0.38	3.36
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	25	3.34	0.38	3.36
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	25	3.34	0.38	3.36
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	25	3.34	0.27	3.24
(1,1842)	1:13:A:ILE:HG23	1:65:A:PHE:HB3	25	3.34	0.27	3.24
(1,1842)	1:13:A:ILE:HG22	1:65:A:PHE:HB3	25	3.34	0.27	3.24
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	25	3.33	0.42	3.29
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD3	25	3.33	0.42	3.29
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD2	25	3.33	0.42	3.29
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD3	25	3.33	0.42	3.29
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	25	3.31	0.13	3.32
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	25	3.3	0.22	3.35
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	25	3.3	0.1	3.3
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	25	3.3	0.17	3.28
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	25	3.3	0.17	3.28
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	25	3.3	0.17	3.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	25	3.3	0.29	3.36
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD13	25	3.3	0.29	3.36
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD12	25	3.3	0.29	3.36
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	25	3.29	0.23	3.31
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	25	3.29	0.05	3.27
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	25	3.28	1.28	3.59
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	25	3.28	1.28	3.59
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	25	3.27	0.64	2.85
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	25	3.27	0.64	2.85
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	25	3.27	0.64	2.85
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	25	3.27	0.03	3.28
(1,1572)	1:24:A:ILE:HG22	1:22:A:PHE:HA	25	3.27	0.03	3.28
(1,1572)	1:24:A:ILE:HG21	1:22:A:PHE:HA	25	3.27	0.03	3.28
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	25	3.26	0.04	3.27
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	25	3.26	0.04	3.27
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	25	3.26	0.26	3.35
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	25	3.26	0.26	3.35
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	25	3.26	0.26	3.35
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	25	3.25	0.86	3.15
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD3	25	3.25	0.86	3.15
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD2	25	3.25	0.86	3.15
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD2	25	3.25	0.86	3.15
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	25	3.24	0.63	3.57
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	25	3.24	0.63	3.57
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	25	3.24	0.63	3.57
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	25	3.24	0.09	3.28
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	25	3.24	0.09	3.28
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	25	3.23	0.9	2.76
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	25	3.23	0.9	2.76
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD13	25	3.21	0.49	3.28
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD11	25	3.21	0.49	3.28
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD11	25	3.21	0.49	3.28
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD12	25	3.21	0.49	3.28
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD13	25	3.21	0.49	3.28
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD12	25	3.21	0.49	3.28
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	25	3.19	0.12	3.25
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	25	3.18	0.19	3.18
(1,1628)	1:16:A:ALA:HB3	1:37:A:GLY:HA2	25	3.18	0.19	3.18
(1,1628)	1:16:A:ALA:HB1	1:37:A:GLY:HA2	25	3.18	0.19	3.18
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	25	3.18	0.08	3.19
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	25	3.17	0.14	3.16
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	25	3.14	0.15	3.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	25	3.14	0.15	3.14
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	25	3.14	0.15	3.14
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	25	3.14	0.15	3.14
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	25	3.14	0.15	3.14
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	25	3.14	0.15	3.14
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	25	3.13	0.23	3.09
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	25	3.13	0.23	3.09
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	25	3.12	0.15	3.1
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	25	3.12	0.15	3.1
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	25	3.12	0.15	3.1
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	25	3.12	0.15	3.1
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	25	3.12	0.15	3.1
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	25	3.12	0.15	3.1
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	25	3.12	0.15	3.1
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	25	3.12	0.15	3.1
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	25	3.12	0.15	3.1
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	25	3.11	0.32	3.05
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD12	25	3.11	0.32	3.05
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD11	25	3.11	0.32	3.05
(1,1770)	1:10:A:ARG:HB2	1:75:A:ILE:HD13	25	3.11	0.32	3.05
(1,1770)	1:10:A:ARG:HB2	1:75:A:ILE:HD12	25	3.11	0.32	3.05
(1,1770)	1:10:A:ARG:HB3	1:75:A:ILE:HD13	25	3.11	0.32	3.05
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	25	3.11	0.61	3.06
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	25	3.11	0.61	3.06
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	25	3.11	0.61	3.06
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	25	3.11	0.49	3.24
(1,1061)	1:35:A:PRO:HD3	1:31:A:MET:HB3	25	3.11	0.49	3.24
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	25	3.09	0.29	3.03
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	25	3.09	0.29	3.03
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	25	3.09	0.29	3.03
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	25	3.09	0.29	3.03
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	25	3.09	0.29	3.03
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	25	3.09	0.29	3.03
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	25	3.08	0.16	3.04
(1,258)	1:35:A:PRO:HD3	1:31:A:MET:H	25	3.08	0.16	3.04
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	25	3.08	0.23	3.11
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	25	3.08	0.23	3.11
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	25	3.08	0.23	3.11
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	25	3.06	0.31	3.05
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	25	3.06	0.31	3.05
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE2	25	3.06	0.31	3.05
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	25	3.05	0.06	3.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	25	3.04	0.63	3.37
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	25	3.04	0.63	3.37
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	25	3.04	0.63	3.37
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	25	3.04	0.1	3.06
(1,1421)	1:14:A:ILE:HD13	1:67:A:SER:H	25	3.04	0.1	3.06
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	25	3.04	0.1	3.06
(1,1740)	1:17:A:LEU:HD23	1:14:A:ILE:HA	25	3.04	0.19	3.04
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	25	3.04	0.19	3.04
(1,1740)	1:17:A:LEU:HD21	1:14:A:ILE:HA	25	3.04	0.19	3.04
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	25	3.04	0.1	3.04
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	25	3.04	0.13	3.04
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	25	3.04	0.13	3.04
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	25	3.04	0.13	3.04
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	25	3.02	0.11	3.03
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	25	3.01	0.24	3.0
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	25	3.0	0.41	2.92
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	25	3.0	0.29	3.12
(1,1532)	1:76:A:VAL:HG12	1:69:A:GLU:HA	25	2.98	0.32	2.92
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	25	2.98	0.32	2.92
(1,1532)	1:76:A:VAL:HG13	1:69:A:GLU:HA	25	2.98	0.32	2.92
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	25	2.94	0.12	2.95
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	25	2.94	0.12	2.95
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	25	2.94	0.12	2.95
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	25	2.94	0.12	2.95
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	25	2.94	0.12	2.95
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	25	2.94	0.12	2.95
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	25	2.94	0.9	3.05
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD2	25	2.94	0.9	3.05
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	25	2.93	0.47	3.1
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	25	2.93	0.24	2.95
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	25	2.93	0.24	2.95
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	25	2.93	0.24	2.95
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	25	2.93	0.24	2.95
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	25	2.9	0.44	2.84
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	25	2.9	0.44	2.84
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	25	2.89	0.05	2.9
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	25	2.89	0.13	2.89
(1,1600)	1:13:A:ILE:HG23	1:11:A:GLY:HA2	25	2.89	0.13	2.89
(1,1600)	1:13:A:ILE:HG22	1:11:A:GLY:HA2	25	2.89	0.13	2.89
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	25	2.87	0.1	2.87
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	25	2.87	0.1	2.87
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD21	25	2.87	0.1	2.87

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	25	2.87	0.06	2.87
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	25	2.87	0.13	2.83
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	25	2.87	0.13	2.83
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	25	2.86	0.49	2.68
(1,483)	1:70:A:GLU:HG3	1:68:A:ALA:H	25	2.86	0.49	2.68
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	25	2.83	0.32	2.79
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	25	2.83	0.32	2.79
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	25	2.83	0.32	2.79
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	25	2.83	0.32	2.79
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	25	2.83	0.32	2.79
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	25	2.83	0.32	2.79
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	25	2.82	0.76	2.82
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	25	2.82	0.76	2.82
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	25	2.82	0.04	2.81
(1,1498)	1:17:A:LEU:HD23	1:69:A:GLU:H	25	2.82	0.13	2.82
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	25	2.82	0.13	2.82
(1,1498)	1:17:A:LEU:HD21	1:69:A:GLU:H	25	2.82	0.13	2.82
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	25	2.78	1.21	2.2
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	25	2.78	0.25	2.8
(1,1709)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	25	2.78	0.25	2.8
(1,1709)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	25	2.78	0.25	2.8
(1,1709)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	25	2.78	0.25	2.8
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	25	2.78	0.25	2.8
(1,1709)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	25	2.78	0.25	2.8
(1,1709)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	25	2.78	0.25	2.8
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	25	2.78	0.25	2.8
(1,1709)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	25	2.78	0.25	2.8
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	25	2.77	1.51	2.93
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	25	2.77	1.51	2.93
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	25	2.77	0.14	2.77
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	25	2.77	1.29	3.47
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	25	2.75	0.86	2.65
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG3	25	2.75	0.86	2.65
(1,926)	1:10:A:ARG:HD2	1:7:A:GLU:HG3	25	2.75	0.86	2.65
(1,926)	1:10:A:ARG:HD2	1:7:A:GLU:HG2	25	2.75	0.86	2.65
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	25	2.75	0.12	2.78
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	25	2.75	0.12	2.78
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	25	2.75	0.12	2.78
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	25	2.75	0.33	2.85
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	25	2.75	0.33	2.85
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	25	2.75	0.33	2.85
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	25	2.75	0.33	2.85

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	25	2.75	0.33	2.85
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	25	2.75	0.33	2.85
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	25	2.75	0.31	2.89
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	25	2.75	0.31	2.89
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	25	2.74	0.59	2.53
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG3	25	2.74	0.59	2.53
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE1	25	2.74	0.14	2.74
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	25	2.74	0.14	2.74
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	25	2.73	0.28	2.77
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	25	2.73	0.28	2.77
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	25	2.73	0.28	2.77
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	25	2.72	0.16	2.72
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	25	2.72	0.31	2.62
(1,1053)	1:35:A:PRO:HG3	1:31:A:MET:HA	25	2.72	0.31	2.62
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	25	2.72	0.05	2.72
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	25	2.72	0.05	2.72
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	25	2.72	0.05	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	25	2.72	0.05	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	25	2.72	0.05	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	25	2.72	0.05	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	25	2.72	0.05	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	25	2.72	0.05	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	25	2.72	0.05	2.72
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG11	25	2.71	0.18	2.68
(1,1616)	1:68:A:ALA:HB1	1:71:A:VAL:HG13	25	2.71	0.18	2.68
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG13	25	2.71	0.18	2.68
(1,1616)	1:68:A:ALA:HB1	1:71:A:VAL:HG12	25	2.71	0.18	2.68
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG12	25	2.71	0.18	2.68
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG11	25	2.71	0.18	2.68
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG13	25	2.71	0.18	2.68
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG12	25	2.71	0.18	2.68
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	25	2.7	0.02	2.71
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	25	2.66	0.17	2.66
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	25	2.66	0.17	2.66
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	25	2.65	0.05	2.64
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	25	2.65	0.05	2.64
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	25	2.65	0.05	2.64
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	25	2.65	0.05	2.64
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	25	2.65	0.05	2.64
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	25	2.65	0.05	2.64
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	25	2.64	0.12	2.67
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	25	2.64	0.04	2.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	25	2.63	0.08	2.62
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	25	2.63	0.76	3.07
(1,888)	1:66:A:LYS:HG3	1:67:A:SER:HA	25	2.63	0.76	3.07
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB3	25	2.63	0.26	2.68
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB2	25	2.63	0.26	2.68
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB1	25	2.63	0.26	2.68
(1,793)	1:75:A:ILE:HD11	1:72:A:ALA:HB1	25	2.63	0.26	2.68
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB3	25	2.63	0.26	2.68
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB2	25	2.63	0.26	2.68
(1,793)	1:75:A:ILE:HD11	1:72:A:ALA:HB3	25	2.63	0.26	2.68
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB1	25	2.63	0.26	2.68
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	25	2.61	1.0	3.33
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	25	2.61	1.0	3.33
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD13	25	2.59	0.35	2.48
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	25	2.59	0.35	2.48
(1,1774)	1:24:A:ILE:HD13	1:21:A:ASP:HB2	25	2.57	0.16	2.59
(1,1774)	1:24:A:ILE:HD12	1:21:A:ASP:HB2	25	2.57	0.16	2.59
(1,1774)	1:24:A:ILE:HD11	1:21:A:ASP:HB2	25	2.57	0.16	2.59
(1,1420)	1:14:A:ILE:HG22	1:11:A:GLY:H	25	2.56	0.08	2.58
(1,1420)	1:14:A:ILE:HG21	1:11:A:GLY:H	25	2.56	0.08	2.58
(1,1420)	1:14:A:ILE:HD12	1:11:A:GLY:H	25	2.56	0.08	2.58
(1,1420)	1:14:A:ILE:HG23	1:11:A:GLY:H	25	2.56	0.08	2.58
(1,1420)	1:14:A:ILE:HD13	1:11:A:GLY:H	25	2.56	0.08	2.58
(1,1420)	1:14:A:ILE:HD11	1:11:A:GLY:H	25	2.56	0.08	2.58
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	25	2.56	0.3	2.47
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	25	2.56	0.3	2.47
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	25	2.56	0.3	2.47
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	25	2.56	0.3	2.47
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	25	2.56	0.3	2.47
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	25	2.56	0.3	2.47
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	25	2.54	0.61	2.74
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	25	2.54	0.71	2.83
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD23	25	2.54	0.71	2.33
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	25	2.54	0.71	2.33
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD21	25	2.54	0.71	2.33
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	25	2.54	0.12	2.58
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	25	2.54	0.12	2.58
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	25	2.54	0.12	2.58
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	25	2.53	0.14	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	25	2.53	0.14	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	25	2.53	0.14	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	25	2.53	0.14	2.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	25	2.53	0.14	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	25	2.53	0.14	2.52
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	25	2.52	0.22	2.54
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	25	2.52	0.22	2.54
(1,1526)	1:71:A:VAL:HG13	1:65:A:PHE:HA	25	2.52	0.38	2.39
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	25	2.52	0.38	2.39
(1,1526)	1:71:A:VAL:HG11	1:65:A:PHE:HA	25	2.52	0.38	2.39
(1,1526)	1:24:A:ILE:HD11	1:65:A:PHE:HA	25	2.52	0.38	2.39
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	25	2.51	0.24	2.51
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	25	2.51	0.24	2.51
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	25	2.51	0.24	2.51
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	25	2.5	0.16	2.51
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	25	2.5	0.16	2.51
(1,1511)	1:49:A:LEU:HD22	1:79:A:ALA:HB3	25	2.49	0.27	2.47
(1,1511)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	25	2.49	0.27	2.47
(1,1511)	1:49:A:LEU:HD21	1:79:A:ALA:HB1	25	2.49	0.27	2.47
(1,1511)	1:49:A:LEU:HD23	1:79:A:ALA:HB3	25	2.49	0.27	2.47
(1,1511)	1:49:A:LEU:HD22	1:79:A:ALA:HB1	25	2.49	0.27	2.47
(1,1511)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	25	2.49	0.27	2.47
(1,1511)	1:49:A:LEU:HD21	1:79:A:ALA:HB2	25	2.49	0.27	2.47
(1,1511)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	25	2.49	0.27	2.47
(1,1511)	1:49:A:LEU:HD23	1:79:A:ALA:HB2	25	2.49	0.27	2.47
(1,1511)	1:49:A:LEU:HD21	1:79:A:ALA:HB3	25	2.49	0.27	2.47
(1,1511)	1:49:A:LEU:HD23	1:79:A:ALA:HB1	25	2.49	0.27	2.47
(1,1511)	1:49:A:LEU:HD22	1:79:A:ALA:HB2	25	2.49	0.27	2.47
(1,1511)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	25	2.49	0.27	2.47
(1,1511)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	25	2.49	0.27	2.47
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	25	2.49	0.09	2.49
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD13	25	2.49	0.91	2.51
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	25	2.49	0.91	2.51
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD11	25	2.49	0.91	2.51
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	25	2.47	0.07	2.48
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	25	2.47	0.07	2.48
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	25	2.47	0.07	2.48
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	25	2.47	0.38	2.47
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	25	2.47	0.38	2.47
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	25	2.44	0.24	2.48
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	25	2.44	0.05	2.44
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	25	2.44	0.05	2.44
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	25	2.44	0.05	2.44
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	25	2.44	0.2	2.45
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	25	2.44	0.2	2.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	25	2.44	0.2	2.45
(1,1088)	1:14:A:ILE:HG23	1:17:A:LEU:HB3	25	2.43	0.17	2.45
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	25	2.43	0.17	2.45
(1,1088)	1:14:A:ILE:HG21	1:17:A:LEU:HB3	25	2.43	0.17	2.45
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	25	2.43	0.11	2.41
(1,1542)	1:41:A:THR:HG23	1:39:A:ASP:HB3	25	2.42	0.51	2.29
(1,1542)	1:41:A:THR:HG22	1:39:A:ASP:HB3	25	2.42	0.51	2.29
(1,1542)	1:41:A:THR:HG21	1:39:A:ASP:HB3	25	2.42	0.51	2.29
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	25	2.41	0.14	2.42
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	25	2.41	0.14	2.42
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	25	2.41	0.14	2.42
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	25	2.4	0.06	2.41
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	25	2.39	0.39	2.55
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG2	25	2.39	0.39	2.55
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	25	2.39	0.32	2.38
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	25	2.39	0.32	2.38
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	25	2.39	0.32	2.38
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	25	2.39	0.06	2.39
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG13	25	2.39	0.25	2.33
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	25	2.39	0.25	2.33
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG12	25	2.39	0.25	2.33
(1,1517)	1:78:A:LYS:HA	1:76:A:VAL:HG12	25	2.39	0.25	2.33
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	25	2.38	0.14	2.36
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	25	2.38	0.06	2.38
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	25	2.37	0.16	2.4
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	25	2.37	0.16	2.4
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	25	2.37	0.16	2.4
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	25	2.36	0.04	2.36
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	25	2.34	0.13	2.39
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	25	2.34	0.13	2.39
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	25	2.33	0.18	2.35
(1,1597)	1:79:A:ALA:HB3	1:73:A:ASP:HA	25	2.33	0.18	2.35
(1,1597)	1:79:A:ALA:HB1	1:73:A:ASP:HA	25	2.33	0.18	2.35
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	25	2.3	0.6	2.15
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	25	2.3	0.6	2.15
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	25	2.29	0.17	2.31
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	25	2.29	0.17	2.31
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	25	2.29	0.17	2.31
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	25	2.29	0.42	2.26
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG23	25	2.28	0.29	2.36
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	25	2.28	0.29	2.36
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG21	25	2.28	0.29	2.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	25	2.27	0.28	2.29
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	25	2.27	0.28	2.29
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	25	2.27	0.28	2.29
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	25	2.24	0.25	2.28
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	25	2.24	0.15	2.24
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	25	2.24	0.15	2.24
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	25	2.24	0.15	2.24
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	25	2.24	0.15	2.24
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	25	2.24	0.15	2.24
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	25	2.24	0.15	2.24
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	25	2.24	0.08	2.23
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG22	25	2.24	0.08	2.23
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG21	25	2.24	0.08	2.23
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	25	2.23	0.43	2.15
(1,1599)	1:13:A:ILE:HD12	1:73:A:ASP:HA	25	2.23	0.43	2.15
(1,1599)	1:13:A:ILE:HD13	1:73:A:ASP:HA	25	2.23	0.43	2.15
(1,1599)	1:75:A:ILE:HG21	1:73:A:ASP:HA	25	2.23	0.43	2.15
(1,1599)	1:75:A:ILE:HG23	1:73:A:ASP:HA	25	2.23	0.43	2.15
(1,1599)	1:75:A:ILE:HG22	1:73:A:ASP:HA	25	2.23	0.43	2.15
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	25	2.23	0.07	2.21
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	25	2.22	0.12	2.2
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	25	2.22	0.14	2.18
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	25	2.22	0.14	2.18
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	25	2.22	0.14	2.18
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	25	2.21	0.07	2.2
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	25	2.2	0.02	2.2
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	25	2.2	0.12	2.18
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	25	2.2	0.12	2.18
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	25	2.2	0.12	2.18
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	25	2.19	0.26	2.3
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	25	2.16	0.13	2.15
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	25	2.14	0.04	2.14
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	25	2.14	0.04	2.14
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	25	2.14	0.04	2.14
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	25	2.13	0.14	2.12
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	25	2.13	0.14	2.12
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	25	2.13	0.14	2.12
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	25	2.13	0.14	2.12
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	25	2.13	0.14	2.12
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	25	2.13	0.14	2.12
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	25	2.12	0.96	1.91
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	25	2.12	0.08	2.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	25	2.12	0.08	2.11
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	25	2.12	0.08	2.11
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	25	2.11	0.03	2.11
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	25	2.1	0.72	2.3
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	25	2.1	0.97	2.2
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	25	2.08	0.21	2.19
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	25	2.08	0.21	2.19
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	25	2.08	0.21	2.19
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	25	2.08	0.21	2.19
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	25	2.08	0.21	2.19
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	25	2.08	0.21	2.19
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	25	2.08	0.46	1.83
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG3	25	2.08	0.46	1.83
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	25	2.08	0.08	2.08
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	25	2.08	0.08	2.08
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	25	2.08	0.08	2.08
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	25	2.08	0.26	2.11
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE2	25	2.08	0.26	2.11
(1,1543)	1:41:A:THR:HG22	1:39:A:ASP:HB2	25	2.07	0.72	1.88
(1,1543)	1:41:A:THR:HG21	1:39:A:ASP:HB2	25	2.07	0.72	1.88
(1,1543)	1:41:A:THR:HG23	1:39:A:ASP:HB2	25	2.07	0.72	1.88
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	25	2.07	0.83	1.67
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	25	2.07	0.83	1.67
(1,1535)	1:24:A:ILE:HD11	1:69:A:GLU:HB3	25	2.05	0.13	2.08
(1,1535)	1:24:A:ILE:HD13	1:69:A:GLU:HB3	25	2.05	0.13	2.08
(1,1535)	1:24:A:ILE:HD12	1:69:A:GLU:HB3	25	2.05	0.13	2.08
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	25	2.04	0.09	2.03
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	25	2.04	0.09	2.03
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	25	2.04	0.13	2.02
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	25	2.04	0.24	2.05
(1,1795)	1:65:A:PHE:HE2	1:71:A:VAL:HB	25	2.04	0.24	2.05
(1,1438)	1:17:A:LEU:HD23	1:70:A:GLU:H	25	2.03	0.17	2.03
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	25	2.03	0.17	2.03
(1,1438)	1:17:A:LEU:HD21	1:70:A:GLU:H	25	2.03	0.17	2.03
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	25	2.03	0.28	1.89
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	25	2.03	0.28	1.89
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	25	2.03	0.28	1.89
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD21	25	2.03	0.28	1.89
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD22	25	2.03	0.28	1.89
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD23	25	2.03	0.28	1.89
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	25	2.02	0.1	2.05
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	25	2.02	0.1	2.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	25	2.02	0.22	1.95
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	25	2.02	0.22	1.95
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	25	2.02	0.22	1.95
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	25	2.01	0.92	1.81
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	25	2.0	0.1	2.03
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	25	1.99	0.13	1.97
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	25	1.99	0.03	1.99
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	25	1.98	0.07	1.98
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	25	1.98	0.07	1.98
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	25	1.98	0.07	1.98
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	25	1.98	0.07	1.98
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	25	1.97	0.22	1.98
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	25	1.97	0.22	1.98
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	25	1.97	0.22	1.98
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	25	1.97	0.22	1.98
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	25	1.97	0.22	1.98
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	25	1.97	0.22	1.98
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	25	1.97	0.22	1.98
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	25	1.97	0.22	1.98
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	25	1.97	0.22	1.98
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	25	1.95	0.81	2.28
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	25	1.95	0.81	2.28
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	25	1.95	0.33	2.08
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	25	1.95	0.33	2.08
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	25	1.95	0.33	2.08
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	25	1.95	0.33	2.08
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	25	1.95	0.33	2.08
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	25	1.95	0.33	2.08
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	25	1.95	0.15	1.91
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	25	1.94	0.2	1.93
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	25	1.94	0.2	1.93
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	25	1.94	0.2	1.93
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	25	1.94	0.2	1.93
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	25	1.93	0.11	1.93
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	25	1.93	0.34	2.07
(1,244)	1:66:A:LYS:HG3	1:67:A:SER:H	25	1.93	0.34	2.07
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	25	1.92	0.19	1.92
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	25	1.92	0.24	1.87
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	25	1.91	0.24	1.92
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	25	1.9	0.01	1.9
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	25	1.88	0.03	1.88
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	25	1.88	0.32	1.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	25	1.88	0.32	1.76
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	25	1.88	0.32	1.76
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	25	1.88	0.04	1.89
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG12	25	1.86	0.32	1.88
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG13	25	1.86	0.32	1.88
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	25	1.86	0.32	1.88
(1,1516)	1:76:A:VAL:HA	1:57:A:VAL:HG12	25	1.86	0.32	1.88
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	25	1.85	0.05	1.86
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	25	1.85	0.14	1.91
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	25	1.85	0.14	1.91
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	25	1.85	0.14	1.91
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	25	1.84	0.88	1.44
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	25	1.81	0.05	1.82
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	25	1.81	0.08	1.81
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	25	1.81	0.08	1.81
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	25	1.79	0.26	1.72
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	25	1.79	0.26	1.72
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	25	1.79	0.26	1.72
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	25	1.79	0.26	1.72
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	25	1.79	0.26	1.72
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	25	1.79	0.26	1.72
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	25	1.79	0.26	1.72
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	25	1.79	0.26	1.72
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	25	1.79	0.26	1.72
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	25	1.78	0.15	1.8
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	25	1.78	0.15	1.8
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	25	1.78	0.15	1.8
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	25	1.78	0.26	1.81
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE2	25	1.78	0.26	1.81
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	25	1.78	0.13	1.77
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	25	1.78	1.14	1.26
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	25	1.77	0.01	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	25	1.77	0.01	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	25	1.77	0.01	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	25	1.77	0.01	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	25	1.77	0.01	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	25	1.77	0.01	1.77
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	25	1.76	0.22	1.85
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	25	1.75	0.12	1.72
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	25	1.75	0.02	1.75
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	25	1.74	0.14	1.74
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	25	1.74	0.14	1.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	25	1.74	0.14	1.74
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	25	1.74	0.01	1.74
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	25	1.73	0.16	1.7
(1,1489)	1:49:A:LEU:HD23	1:46:A:ASP:H	25	1.72	0.71	1.41
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	25	1.72	0.71	1.41
(1,1489)	1:49:A:LEU:HD22	1:46:A:ASP:H	25	1.72	0.71	1.41
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	25	1.71	0.06	1.71
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	25	1.71	0.06	1.71
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	25	1.71	0.06	1.71
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	25	1.71	0.13	1.72
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	25	1.71	0.13	1.72
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	25	1.71	0.13	1.72
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	25	1.71	0.13	1.72
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	25	1.71	0.13	1.72
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	25	1.71	0.13	1.72
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	25	1.69	0.11	1.67
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	25	1.69	0.11	1.67
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	25	1.69	0.11	1.67
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	25	1.68	0.1	1.65
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	25	1.68	0.1	1.65
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	25	1.68	0.1	1.65
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	25	1.68	0.1	1.65
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	25	1.68	0.1	1.65
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	25	1.68	0.1	1.65
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	25	1.68	0.1	1.65
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	25	1.68	0.1	1.65
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	25	1.68	0.1	1.65
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	25	1.67	0.04	1.67
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	25	1.67	0.08	1.69
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	25	1.67	0.13	1.69
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	25	1.67	0.07	1.63
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	25	1.65	0.15	1.66
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	25	1.65	0.15	1.66
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	25	1.65	0.15	1.66
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	25	1.64	0.27	1.7
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	25	1.64	0.27	1.7
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	25	1.64	0.32	1.69
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	25	1.63	0.45	1.71
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	25	1.63	0.45	1.71
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	25	1.63	0.45	1.71
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD13	25	1.63	0.45	1.71
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD13	25	1.63	0.45	1.71

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD13	25	1.63	0.45	1.71
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	25	1.62	0.24	1.62
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	25	1.62	0.24	1.62
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	25	1.62	0.24	1.62
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	25	1.6	0.03	1.6
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	25	1.6	0.03	1.6
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	25	1.6	0.16	1.62
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	25	1.6	0.16	1.62
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	25	1.58	0.02	1.58
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	25	1.58	0.44	1.61
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	25	1.57	0.04	1.57
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	25	1.57	0.07	1.56
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	25	1.57	0.49	1.66
(1,1562)	1:47:A:VAL:HG11	1:43:A:LYS:HB3	25	1.57	0.17	1.54
(1,1562)	1:47:A:VAL:HG12	1:43:A:LYS:HB3	25	1.57	0.17	1.54
(1,1562)	1:47:A:VAL:HG13	1:43:A:LYS:HB3	25	1.57	0.17	1.54
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	25	1.56	1.13	1.14
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	25	1.56	1.13	1.14
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	25	1.56	0.18	1.54
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	25	1.56	0.18	1.54
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	25	1.56	0.18	1.54
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	25	1.54	0.32	1.58
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	25	1.54	0.32	1.58
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	25	1.54	0.32	1.58
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	25	1.54	0.21	1.65
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	25	1.54	0.21	1.65
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	25	1.53	0.22	1.59
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	25	1.53	0.22	1.59
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	25	1.53	0.22	1.59
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	25	1.53	0.22	1.59
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	25	1.53	0.22	1.59
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	25	1.53	0.22	1.59
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	25	1.52	0.04	1.52
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	25	1.52	0.17	1.51
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	25	1.51	0.38	1.53
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	25	1.51	0.38	1.53
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	25	1.51	0.38	1.53
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	25	1.51	0.38	1.53
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	25	1.51	0.01	1.51
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	25	1.51	0.01	1.51
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	25	1.51	0.01	1.51
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	25	1.51	0.23	1.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB2	25	1.51	0.16	1.48
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB3	25	1.51	0.16	1.48
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB1	25	1.51	0.16	1.48
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	25	1.48	0.2	1.51
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	25	1.47	0.07	1.46
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	25	1.47	0.2	1.43
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	25	1.47	0.2	1.43
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	25	1.47	0.2	1.43
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	25	1.47	0.2	1.43
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	25	1.47	0.2	1.43
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	25	1.47	0.2	1.43
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	25	1.47	0.2	1.43
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	25	1.47	0.2	1.43
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	25	1.47	0.2	1.43
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	25	1.47	0.34	1.58
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	25	1.47	0.34	1.58
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	25	1.47	0.34	1.58
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	25	1.47	0.13	1.49
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	25	1.45	0.04	1.44
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	25	1.45	0.04	1.44
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	25	1.45	0.04	1.44
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	25	1.44	0.16	1.39
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	25	1.44	0.05	1.44
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	25	1.44	0.05	1.44
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	25	1.44	0.05	1.44
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	25	1.44	0.05	1.44
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	25	1.43	0.04	1.42
(1,1395)	1:5:A:VAL:HG11	1:7:A:GLU:H	25	1.43	0.07	1.43
(1,1395)	1:5:A:VAL:HG12	1:7:A:GLU:H	25	1.43	0.07	1.43
(1,1395)	1:5:A:VAL:HG13	1:7:A:GLU:H	25	1.43	0.07	1.43
(1,1395)	1:76:A:VAL:HG12	1:7:A:GLU:H	25	1.43	0.07	1.43
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	25	1.42	0.2	1.44
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	25	1.42	0.2	1.44
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	25	1.42	0.2	1.44
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	25	1.42	0.2	1.44
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	25	1.42	0.2	1.44
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	25	1.42	0.2	1.44
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	25	1.42	0.2	1.44
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	25	1.42	0.2	1.44
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	25	1.42	0.2	1.44
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	25	1.42	0.65	1.11
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	25	1.42	0.65	1.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	25	1.41	0.34	1.5
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	25	1.41	0.34	1.5
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	25	1.41	0.34	1.5
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	25	1.41	0.34	1.5
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	25	1.41	0.34	1.5
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	25	1.41	0.34	1.5
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	25	1.4	0.11	1.42
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD11	25	1.4	0.11	1.42
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD13	25	1.4	0.11	1.42
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	25	1.4	0.11	1.42
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD11	25	1.4	0.11	1.42
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD13	25	1.4	0.11	1.42
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	25	1.4	0.22	1.36
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	25	1.4	0.22	1.36
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	25	1.4	0.22	1.36
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	25	1.39	0.11	1.38
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	25	1.39	0.11	1.38
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	25	1.39	0.11	1.38
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	25	1.39	0.38	1.3
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	25	1.39	0.38	1.3
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	25	1.38	0.16	1.38
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	25	1.38	0.16	1.38
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	25	1.38	0.16	1.38
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	25	1.38	0.13	1.38
(1,988)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	25	1.38	0.51	1.16
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	25	1.38	0.51	1.16
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	25	1.36	0.2	1.41
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	25	1.36	0.2	1.41
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	25	1.36	0.2	1.41
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	25	1.36	0.29	1.59
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	25	1.36	0.1	1.33
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	25	1.36	0.1	1.33
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	25	1.36	0.1	1.33
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	25	1.36	0.1	1.33
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	25	1.36	0.1	1.33
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	25	1.36	0.1	1.33
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	25	1.36	0.1	1.33
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	25	1.36	0.1	1.33
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	25	1.36	0.1	1.33
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	25	1.36	0.04	1.36
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	25	1.36	0.34	1.43
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	25	1.35	0.06	1.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	25	1.35	0.27	1.34
(1,922)	1:13:A:ILE:HD11	1:10:A:ARG:HB2	25	1.35	0.27	1.34
(1,922)	1:13:A:ILE:HD12	1:10:A:ARG:HB2	25	1.35	0.27	1.34
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	25	1.34	0.09	1.36
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	25	1.33	0.07	1.31
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	25	1.32	0.67	1.55
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	25	1.32	0.09	1.34
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	25	1.32	0.09	1.34
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG22	25	1.31	0.27	1.31
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	25	1.31	0.27	1.31
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG23	25	1.31	0.27	1.31
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	25	1.31	0.19	1.24
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	25	1.31	0.19	1.24
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	25	1.31	0.19	1.24
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	25	1.29	0.01	1.29
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	25	1.28	0.13	1.26
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG23	25	1.28	0.13	1.26
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG22	25	1.28	0.13	1.26
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	25	1.28	0.02	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	25	1.28	0.02	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	25	1.28	0.02	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	25	1.28	0.02	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	25	1.28	0.02	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	25	1.28	0.02	1.28
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	25	1.28	0.16	1.29
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	25	1.28	0.16	1.29
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	25	1.28	0.16	1.29
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	25	1.28	0.16	1.29
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	25	1.28	0.16	1.29
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	25	1.28	0.16	1.29
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	25	1.27	0.19	1.26
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	25	1.27	0.19	1.26
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	25	1.27	0.19	1.26
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	25	1.27	0.19	1.26
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	25	1.27	0.19	1.26
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	25	1.27	0.19	1.26
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	25	1.27	0.19	1.26
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	25	1.27	0.19	1.26
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	25	1.27	0.19	1.26
(1,1567)	1:57:A:VAL:HG12	1:53:A:ASP:HA	25	1.26	0.32	1.28
(1,1567)	1:57:A:VAL:HG13	1:53:A:ASP:HA	25	1.26	0.32	1.28
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	25	1.26	0.32	1.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	25	1.26	0.07	1.28
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	25	1.26	0.07	1.28
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	25	1.26	0.07	1.28
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	25	1.26	0.07	1.28
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	25	1.26	0.07	1.28
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	25	1.26	0.07	1.28
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	25	1.24	0.03	1.24
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	25	1.24	0.03	1.24
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	25	1.24	0.24	1.25
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE2	25	1.24	0.24	1.25
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	25	1.23	0.04	1.24
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	25	1.22	0.06	1.21
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	25	1.22	0.06	1.21
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	25	1.22	0.06	1.21
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	25	1.21	0.1	1.2
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG23	25	1.21	0.1	1.2
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG22	25	1.21	0.1	1.2
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	25	1.21	0.09	1.23
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	25	1.21	0.09	1.23
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	25	1.21	0.09	1.23
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	25	1.21	0.04	1.22
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	25	1.21	0.4	1.11
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	25	1.21	0.4	1.11
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	25	1.21	0.4	1.11
(1,1396)	1:81:A:LEU:HD11	1:7:A:GLU:H	25	1.19	0.11	1.17
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	25	1.19	0.11	1.17
(1,1396)	1:81:A:LEU:HD13	1:7:A:GLU:H	25	1.19	0.11	1.17
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	25	1.19	0.07	1.2
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	25	1.19	0.07	1.2
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	25	1.19	0.07	1.2
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	25	1.18	0.13	1.16
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG23	25	1.18	0.13	1.16
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG22	25	1.18	0.13	1.16
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	25	1.16	0.24	1.17
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	25	1.15	0.1	1.14
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	25	1.15	0.1	1.14
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	25	1.15	0.1	1.14
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	25	1.15	0.09	1.12
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG23	25	1.14	0.14	1.1
(1,1695)	1:68:A:ALA:HB1	1:71:A:VAL:HG23	25	1.14	0.14	1.1
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG22	25	1.14	0.14	1.1
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG22	25	1.14	0.14	1.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG23	25	1.14	0.14	1.1
(1,1695)	1:68:A:ALA:HB1	1:71:A:VAL:HG22	25	1.14	0.14	1.1
(1,1695)	1:68:A:ALA:HB1	1:71:A:VAL:HG21	25	1.14	0.14	1.1
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG21	25	1.14	0.14	1.1
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG21	25	1.14	0.14	1.1
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	25	1.13	0.05	1.12
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	25	1.13	0.05	1.12
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	25	1.13	0.05	1.12
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	25	1.13	0.03	1.14
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	25	1.13	0.11	1.15
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	25	1.13	0.11	1.15
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	25	1.13	0.15	1.16
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	25	1.13	0.15	1.16
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	25	1.13	0.15	1.16
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	25	1.13	0.16	1.1
(1,1722)	1:30:A:LEU:HD22	1:24:A:ILE:HG13	25	1.13	0.16	1.1
(1,1722)	1:30:A:LEU:HD21	1:24:A:ILE:HG13	25	1.13	0.16	1.1
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	25	1.13	0.07	1.09
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	25	1.12	0.43	1.33
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	25	1.12	0.14	1.15
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	25	1.12	0.14	1.15
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	25	1.12	0.14	1.15
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	25	1.11	0.03	1.11
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	25	1.1	0.02	1.11
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG13	25	1.1	0.24	1.09
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG12	25	1.1	0.24	1.09
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG13	25	1.1	0.24	1.09
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG12	25	1.1	0.24	1.09
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG11	25	1.1	0.24	1.09
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG11	25	1.1	0.24	1.09
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	25	1.09	0.19	1.13
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD12	25	1.09	0.19	1.13
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD11	25	1.09	0.19	1.13
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	25	1.09	0.22	1.03
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	25	1.09	0.22	1.03
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	25	1.08	0.38	1.17
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	25	1.08	0.38	1.17
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG21	25	1.08	0.13	1.05
(1,1778)	1:68:A:ALA:HB1	1:24:A:ILE:HG23	25	1.08	0.13	1.05
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG23	25	1.08	0.13	1.05
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG22	25	1.08	0.13	1.05
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG21	25	1.08	0.13	1.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1778)	1:68:A:ALA:HB1	1:24:A:ILE:HG22	25	1.08	0.13	1.05
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG23	25	1.08	0.13	1.05
(1,1778)	1:68:A:ALA:HB1	1:24:A:ILE:HG21	25	1.08	0.13	1.05
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG22	25	1.08	0.13	1.05
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	25	1.07	0.03	1.07
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	25	1.07	0.02	1.07
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	25	1.07	0.02	1.07
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	25	1.07	0.02	1.07
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	25	1.06	0.14	1.12
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	25	1.06	0.14	1.12
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	25	1.06	0.14	1.12
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	25	1.06	0.08	1.08
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	25	1.06	0.08	1.08
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	25	1.06	0.08	1.08
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	25	1.06	0.08	1.08
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	25	1.06	0.08	1.08
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	25	1.06	0.08	1.08
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	25	1.05	0.03	1.06
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	25	1.05	0.02	1.05
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	25	1.03	0.21	1.1
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	25	1.03	0.21	1.1
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	25	1.02	0.16	0.98
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	25	1.02	0.16	0.98
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	25	1.02	0.16	0.98
(1,354)	1:35:A:PRO:HD3	1:33:A:ALA:H	25	1.01	0.16	1.07
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	25	1.01	0.16	1.07
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	25	1.0	0.04	1.01
(1,1466)	1:62:A:ASP:HB3	1:26:A:SER:H	25	1.0	0.04	1.01
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	25	1.0	0.12	0.95
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	25	1.0	0.12	0.95
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	25	1.0	0.12	0.95
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	25	1.0	0.12	0.95
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	25	1.0	0.12	0.95
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	25	1.0	0.12	0.95
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	25	1.0	0.27	1.02
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	25	1.0	0.27	1.02
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	25	1.0	0.27	1.02
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	25	1.0	0.08	1.02
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	25	0.99	0.14	1.0
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	25	0.99	0.14	1.0
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	25	0.99	0.14	1.0
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	25	0.99	0.22	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	25	0.99	0.22	0.98
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	25	0.99	0.22	0.98
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	25	0.99	0.22	0.98
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	25	0.99	0.22	0.98
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	25	0.99	0.22	0.98
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	25	0.99	0.22	0.98
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	25	0.99	0.22	0.98
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	25	0.99	0.22	0.98
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	25	0.99	0.15	1.01
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	25	0.99	0.15	1.01
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	25	0.96	0.06	0.96
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	25	0.96	0.06	0.96
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	25	0.96	0.11	0.98
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	25	0.96	0.11	0.98
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	25	0.96	0.11	0.98
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	25	0.96	0.11	0.98
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	25	0.96	0.11	0.98
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	25	0.96	0.11	0.98
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	25	0.93	0.1	0.92
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	25	0.93	0.12	0.97
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	25	0.93	0.12	0.97
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	25	0.93	0.12	0.97
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	25	0.93	0.12	0.97
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	25	0.93	0.12	0.97
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	25	0.93	0.12	0.97
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	25	0.93	0.21	0.99
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	25	0.93	0.21	0.99
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	25	0.93	0.21	0.99
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	25	0.93	0.21	0.99
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	25	0.93	0.21	0.99
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	25	0.93	0.21	0.99
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	25	0.93	0.21	0.99
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	25	0.93	0.21	0.99
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	25	0.93	0.21	0.99
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	25	0.93	0.07	0.93
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	25	0.92	0.29	0.92
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	25	0.92	0.29	0.92
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	25	0.92	0.29	0.92
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	25	0.92	0.29	0.92
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	25	0.92	0.29	0.92
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	25	0.92	0.29	0.92
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	25	0.92	0.29	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	25	0.92	0.29	0.92
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	25	0.92	0.29	0.92
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	25	0.92	0.07	0.92
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	25	0.92	0.27	0.84
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	25	0.92	0.27	0.84
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD12	25	0.92	0.49	0.74
(1,1809)	1:65:A:PHE:HD2	1:30:A:LEU:HD23	25	0.92	0.49	0.74
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD13	25	0.92	0.49	0.74
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD11	25	0.92	0.49	0.74
(1,1809)	1:65:A:PHE:HD2	1:30:A:LEU:HD21	25	0.92	0.49	0.74
(1,1809)	1:65:A:PHE:HD2	1:30:A:LEU:HD22	25	0.92	0.49	0.74
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	25	0.91	0.04	0.92
(1,423)	1:8:A:ASP:HB3	1:6:A:LYS:H	25	0.91	0.04	0.92
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	25	0.91	0.03	0.91
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	25	0.91	0.08	0.89
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	25	0.91	0.08	0.89
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	25	0.91	0.08	0.89
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	25	0.9	0.16	0.86
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	25	0.9	0.16	0.86
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	25	0.9	0.16	0.86
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	25	0.89	0.14	0.91
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	25	0.89	0.14	0.91
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	25	0.89	0.14	0.91
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	25	0.89	0.14	0.91
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	25	0.89	0.14	0.91
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	25	0.89	0.14	0.91
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	25	0.89	0.19	0.87
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	25	0.89	0.19	0.87
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	25	0.89	0.19	0.87
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	25	0.87	0.08	0.87
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	25	0.87	0.56	0.72
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	25	0.87	0.11	0.85
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	25	0.87	0.11	0.85
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	25	0.87	0.11	0.85
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	25	0.86	0.04	0.86
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	25	0.86	0.04	0.86
(1,1786)	1:76:A:VAL:HG22	1:75:A:ILE:HG21	25	0.86	0.12	0.89
(1,1786)	1:5:A:VAL:HG22	1:9:A:ILE:HG23	25	0.86	0.12	0.89
(1,1786)	1:76:A:VAL:HG23	1:75:A:ILE:HG23	25	0.86	0.12	0.89
(1,1786)	1:76:A:VAL:HG23	1:75:A:ILE:HG22	25	0.86	0.12	0.89
(1,1786)	1:5:A:VAL:HG22	1:9:A:ILE:HG22	25	0.86	0.12	0.89
(1,1786)	1:5:A:VAL:HG23	1:9:A:ILE:HG22	25	0.86	0.12	0.89

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1786)	1:5:A:VAL:HG23	1:9:A:ILE:HG23	25	0.86	0.12	0.89
(1,1786)	1:76:A:VAL:HG22	1:75:A:ILE:HG23	25	0.86	0.12	0.89
(1,1786)	1:5:A:VAL:HG22	1:9:A:ILE:HG21	25	0.86	0.12	0.89
(1,1786)	1:76:A:VAL:HG22	1:75:A:ILE:HG22	25	0.86	0.12	0.89
(1,1786)	1:76:A:VAL:HG21	1:75:A:ILE:HG21	25	0.86	0.12	0.89
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	25	0.85	0.13	0.82
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	25	0.85	0.13	0.82
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	25	0.84	0.2	0.91
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	25	0.84	0.2	0.91
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	25	0.84	0.2	0.91
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	25	0.84	0.2	0.91
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	25	0.84	0.2	0.91
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	25	0.84	0.2	0.91
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	25	0.84	0.2	0.91
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	25	0.84	0.2	0.91
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	25	0.84	0.2	0.91
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	25	0.84	0.05	0.83
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	25	0.83	0.33	0.87
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	25	0.82	0.12	0.83
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	25	0.82	0.12	0.83
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	25	0.81	0.17	0.84
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	25	0.81	0.17	0.84
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	25	0.81	0.17	0.84
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	25	0.81	0.12	0.85
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG13	25	0.81	0.05	0.8
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	25	0.81	0.05	0.8
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG12	25	0.81	0.05	0.8
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	25	0.8	0.1	0.78
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB3	25	0.8	0.1	0.78
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB1	25	0.8	0.1	0.78
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	25	0.78	0.21	0.72
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	25	0.77	0.07	0.76
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	25	0.77	0.05	0.77
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	25	0.77	0.05	0.77
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	25	0.76	0.24	0.77
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	25	0.73	0.05	0.74
(1,1477)	1:9:A:ILE:HG23	1:8:A:ASP:H	25	0.72	0.11	0.77
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	25	0.72	0.11	0.77
(1,1477)	1:9:A:ILE:HG22	1:8:A:ASP:H	25	0.72	0.11	0.77
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG23	25	0.72	0.11	0.77
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	25	0.72	0.11	0.77
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG22	25	0.72	0.11	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1569)	1:79:A:ALA:HB3	1:80:A:GLY:HA2	25	0.72	0.15	0.7
(1,1569)	1:79:A:ALA:HB2	1:80:A:GLY:HA2	25	0.72	0.15	0.7
(1,1569)	1:79:A:ALA:HB1	1:80:A:GLY:HA2	25	0.72	0.15	0.7
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	25	0.72	0.02	0.72
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	25	0.69	0.24	0.67
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	25	0.69	0.24	0.67
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	25	0.69	0.24	0.67
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	25	0.68	0.2	0.69
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD23	25	0.66	0.31	0.61
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	25	0.66	0.31	0.61
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD21	25	0.66	0.31	0.61
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	25	0.65	0.05	0.65
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	25	0.65	0.05	0.65
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	25	0.65	0.05	0.65
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	25	0.65	0.21	0.67
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	25	0.65	0.21	0.67
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	25	0.65	0.21	0.67
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	25	0.65	0.21	0.67
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	25	0.65	0.21	0.67
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	25	0.65	0.21	0.67
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	25	0.65	0.21	0.67
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	25	0.65	0.21	0.67
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	25	0.65	0.21	0.67
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	25	0.65	0.17	0.69
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	25	0.65	0.17	0.69
(1,1710)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	25	0.65	0.17	0.69
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	25	0.65	0.17	0.69
(1,1710)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	25	0.65	0.17	0.69
(1,1710)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	25	0.65	0.17	0.69
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	25	0.65	0.17	0.69
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	25	0.65	0.17	0.69
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	25	0.65	0.17	0.69
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	25	0.64	0.09	0.63
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	25	0.64	0.09	0.63
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	25	0.64	0.03	0.64
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	25	0.64	0.2	0.68
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	25	0.64	0.04	0.63
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	25	0.64	0.25	0.59
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	25	0.63	0.13	0.62
(1,754)	1:64:A:PRO:HD3	1:61:A:ASP:HA	25	0.63	0.13	0.62
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	25	0.62	0.1	0.59
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD21	25	0.62	0.1	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD23	25	0.62	0.1	0.59
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	25	0.61	0.08	0.6
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	25	0.61	0.03	0.61
(1,1378)	1:24:A:ILE:HA	1:30:A:LEU:H	25	0.61	0.03	0.61
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	25	0.59	0.08	0.57
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	25	0.59	0.08	0.57
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	25	0.59	0.08	0.57
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	25	0.59	0.08	0.57
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	25	0.59	0.08	0.57
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	25	0.59	0.08	0.57
(1,1530)	1:68:A:ALA:HB3	1:65:A:PHE:HB3	25	0.59	0.07	0.59
(1,1530)	1:68:A:ALA:HB1	1:65:A:PHE:HB3	25	0.59	0.07	0.59
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	25	0.59	0.07	0.59
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	25	0.58	0.3	0.48
(1,288)	1:8:A:ASP:HB3	1:4:A:GLY:H	25	0.58	0.3	0.48
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	25	0.58	0.13	0.61
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	25	0.58	0.06	0.57
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	25	0.57	0.08	0.59
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	25	0.57	0.02	0.57
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB3	25	0.57	0.02	0.57
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	25	0.57	0.1	0.55
(1,1388)	1:71:A:VAL:HG21	1:69:A:GLU:H	25	0.57	0.1	0.55
(1,1388)	1:71:A:VAL:HG22	1:69:A:GLU:H	25	0.57	0.1	0.55
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	25	0.56	0.06	0.55
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	25	0.55	0.24	0.55
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	25	0.55	0.24	0.55
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	25	0.55	0.24	0.55
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	25	0.55	0.24	0.55
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	25	0.55	0.15	0.55
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	25	0.55	0.15	0.55
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	25	0.55	0.15	0.55
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	25	0.55	0.14	0.53
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	25	0.55	0.14	0.53
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG3	25	0.55	0.14	0.53
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG3	25	0.55	0.14	0.53
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	25	0.51	0.14	0.49
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	25	0.51	0.14	0.49
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	25	0.51	0.14	0.49
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	25	0.5	0.05	0.5
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	25	0.5	0.05	0.5
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	25	0.5	0.05	0.5
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	25	0.5	0.02	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	25	0.5	0.02	0.5
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	25	0.5	0.12	0.53
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	25	0.5	0.02	0.5
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	25	0.5	0.02	0.5
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	25	0.5	0.02	0.5
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	25	0.5	0.08	0.49
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	25	0.5	0.08	0.49
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	25	0.48	0.13	0.54
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	25	0.48	0.13	0.54
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	25	0.48	0.13	0.54
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	25	0.47	0.01	0.47
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	25	0.46	0.06	0.47
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	25	0.46	0.06	0.47
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	25	0.46	0.06	0.47
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	25	0.46	0.06	0.47
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	25	0.44	0.09	0.43
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	25	0.44	0.09	0.43
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	25	0.44	0.09	0.43
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	25	0.43	0.09	0.46
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	25	0.43	0.09	0.46
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	25	0.42	0.04	0.42
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	25	0.39	0.01	0.39
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	25	0.37	0.13	0.35
(1,4)	1:50:A:LYS:HE3	1:50:A:LYS:H	25	0.37	0.13	0.35
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	25	0.37	0.09	0.4
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	25	0.37	0.09	0.4
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	25	0.37	0.09	0.4
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG3	25	0.37	0.09	0.4
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG3	25	0.37	0.09	0.4
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG3	25	0.37	0.09	0.4
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	25	0.37	0.03	0.37
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	25	0.36	0.01	0.36
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	25	0.34	0.08	0.33
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	25	0.34	0.08	0.33
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	25	0.34	0.08	0.33
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	25	0.34	0.08	0.33
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	25	0.34	0.08	0.33
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	25	0.34	0.08	0.33
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	25	0.31	0.09	0.31
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	25	0.31	0.09	0.31
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	25	0.31	0.09	0.31
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	25	0.31	0.09	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	25	0.31	0.03	0.31
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	25	0.3	0.04	0.32
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	25	0.28	0.02	0.28
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	25	0.28	0.02	0.28
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	25	0.28	0.02	0.28
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	25	0.28	0.08	0.27
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG21	25	0.28	0.08	0.27
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG23	25	0.28	0.08	0.27
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	25	0.27	0.08	0.25
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	25	0.27	0.11	0.29
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	25	0.27	0.11	0.29
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	25	0.27	0.11	0.29
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	25	0.27	0.11	0.29
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	25	0.27	0.11	0.29
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	25	0.27	0.11	0.29
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	25	0.27	0.11	0.29
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	25	0.27	0.11	0.29
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	25	0.27	0.11	0.29
(1,1533)	1:68:A:ALA:HB2	1:69:A:GLU:HA	25	0.27	0.09	0.24
(1,1533)	1:68:A:ALA:HB3	1:69:A:GLU:HA	25	0.27	0.09	0.24
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	25	0.27	0.09	0.24
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	25	0.25	0.0	0.25
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	25	0.25	0.02	0.25
(1,1393)	1:7:A:GLU:HB2	1:7:A:GLU:H	25	0.25	0.05	0.25
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	25	0.25	0.05	0.25
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	25	0.25	0.05	0.23
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	25	0.25	0.05	0.23
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	25	0.24	0.02	0.25
(1,1743)	1:24:A:ILE:HG21	1:17:A:LEU:HB3	25	0.24	0.02	0.25
(1,1743)	1:24:A:ILE:HG23	1:17:A:LEU:HB3	25	0.24	0.02	0.25
(1,1743)	1:24:A:ILE:HG22	1:17:A:LEU:HB3	25	0.24	0.02	0.25
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	25	0.23	0.07	0.23
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	25	0.21	0.04	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	25	0.21	0.04	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	25	0.21	0.04	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	25	0.21	0.04	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	25	0.21	0.04	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	25	0.21	0.04	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	25	0.21	0.02	0.21
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	25	0.2	0.01	0.2
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	25	0.19	0.03	0.19
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	25	0.19	0.03	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	25	0.16	0.01	0.16
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	25	0.14	0.01	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	25	0.14	0.0	0.14
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	25	0.11	0.0	0.11
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	24	2.63	1.22	1.99
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	24	2.63	1.22	1.99
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG3	24	2.45	0.99	2.74
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG3	24	2.45	0.99	2.74
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	24	2.45	0.99	2.74
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	24	2.45	0.99	2.74
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	24	2.16	1.16	2.8
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	24	1.5	1.04	1.96
(1,292)	1:6:A:LYS:HB2	1:4:A:GLY:H	24	1.16	0.98	0.81
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	24	1.16	0.98	0.81
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	24	1.05	0.28	1.15
(1,1818)	1:66:A:LYS:HG3	1:65:A:PHE:HD2	24	1.05	0.28	1.15
(1,1818)	1:66:A:LYS:HG2	1:65:A:PHE:HD2	24	1.05	0.28	1.15
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	24	0.78	0.25	0.86
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	24	0.78	0.25	0.86
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	24	0.78	0.25	0.86
(1,1063)	1:34:A:LEU:HD21	1:31:A:MET:HB3	24	0.78	0.25	0.86
(1,1063)	1:34:A:LEU:HD22	1:31:A:MET:HB3	24	0.78	0.25	0.86
(1,1063)	1:34:A:LEU:HD23	1:31:A:MET:HB3	24	0.78	0.25	0.86
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	24	0.77	0.18	0.8
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	24	0.63	0.25	0.6
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	24	0.63	0.25	0.6
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	24	0.63	0.25	0.6
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	24	0.62	0.35	0.57
(1,1444)	1:13:A:ILE:HG23	1:71:A:VAL:H	24	0.62	0.35	0.57
(1,1444)	1:13:A:ILE:HG22	1:71:A:VAL:H	24	0.62	0.35	0.57
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	24	0.54	0.27	0.47
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	24	0.52	0.13	0.54
(1,1591)	1:81:A:LEU:HD22	1:6:A:LYS:HA	24	0.43	0.17	0.44
(1,1591)	1:81:A:LEU:HD23	1:6:A:LYS:HA	24	0.43	0.17	0.44
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	24	0.43	0.17	0.44
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	24	0.41	0.2	0.4
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	24	0.41	0.2	0.4
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	24	0.34	0.14	0.37
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	24	0.33	0.14	0.29
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	24	0.33	0.14	0.29
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	24	0.33	0.14	0.29
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	24	0.32	0.12	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	24	0.32	0.12	0.33
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	24	0.32	0.12	0.33
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	24	0.32	0.12	0.33
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	24	0.32	0.12	0.33
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	24	0.32	0.12	0.33
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	24	0.28	0.14	0.24
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	24	0.28	0.14	0.24
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	24	0.15	0.03	0.15
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	24	0.15	0.03	0.15
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	23	1.29	0.4	1.33
(1,1626)	1:26:A:SER:HB2	1:24:A:ILE:HA	23	1.29	0.4	1.33
(1,1626)	1:31:A:MET:HG3	1:37:A:GLY:HA2	23	1.29	0.4	1.33
(1,1647)	1:71:A:VAL:HG13	1:62:A:ASP:HB3	23	0.65	0.38	0.57
(1,1647)	1:71:A:VAL:HG11	1:62:A:ASP:HB3	23	0.65	0.38	0.57
(1,1647)	1:71:A:VAL:HG12	1:62:A:ASP:HB3	23	0.65	0.38	0.57
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	23	0.56	0.88	0.16
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	23	0.53	0.2	0.5
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	23	0.53	0.2	0.5
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	23	0.53	0.2	0.5
(1,740)	1:57:A:VAL:HG21	1:54:A:ALA:HA	23	0.53	0.2	0.5
(1,740)	1:57:A:VAL:HG22	1:54:A:ALA:HA	23	0.53	0.2	0.5
(1,740)	1:57:A:VAL:HG23	1:54:A:ALA:HA	23	0.53	0.2	0.5
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD12	23	0.42	0.11	0.42
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD11	23	0.42	0.11	0.42
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	23	0.42	0.11	0.42
(1,1528)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	23	0.42	0.17	0.44
(1,1528)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	23	0.42	0.17	0.44
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	23	0.42	0.17	0.44
(1,1590)	1:5:A:VAL:HG11	1:6:A:LYS:HA	23	0.34	0.07	0.37
(1,1590)	1:5:A:VAL:HG12	1:6:A:LYS:HA	23	0.34	0.07	0.37
(1,1590)	1:76:A:VAL:HG12	1:6:A:LYS:HA	23	0.34	0.07	0.37
(1,1590)	1:5:A:VAL:HG13	1:6:A:LYS:HA	23	0.34	0.07	0.37
(1,1590)	1:76:A:VAL:HG13	1:6:A:LYS:HA	23	0.34	0.07	0.37
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	23	0.24	0.07	0.23
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	22	1.93	1.13	1.78
(1,1096)	1:28:A:GLU:HG3	1:31:A:MET:HE2	22	1.93	1.13	1.78
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	22	1.08	0.44	0.99
(1,146)	1:48:A:GLU:HB2	1:41:A:THR:H	22	1.08	0.44	0.99
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD13	22	0.49	0.21	0.43
(1,1830)	1:71:A:VAL:HG23	1:58:A:LEU:HD11	22	0.49	0.21	0.43
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD12	22	0.49	0.21	0.43
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD11	22	0.49	0.21	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1830)	1:71:A:VAL:HG23	1:58:A:LEU:HD12	22	0.49	0.21	0.43
(1,1830)	1:71:A:VAL:HG23	1:58:A:LEU:HD13	22	0.49	0.21	0.43
(1,1830)	1:71:A:VAL:HG22	1:58:A:LEU:HD11	22	0.49	0.21	0.43
(1,1830)	1:71:A:VAL:HG22	1:58:A:LEU:HD12	22	0.49	0.21	0.43
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	22	0.48	0.23	0.5
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	22	0.48	0.23	0.5
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	22	0.48	0.23	0.5
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	22	0.42	0.06	0.4
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	22	0.42	0.06	0.4
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	21	2.96	0.07	2.97
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG2	21	2.96	0.07	2.97
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	21	2.37	0.06	2.37
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	21	1.1	1.02	0.61
(1,293)	1:6:A:LYS:HG2	1:4:A:GLY:H	21	1.1	1.02	0.61
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	21	1.02	0.66	0.96
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	21	0.77	0.74	0.53
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG3	21	0.77	0.74	0.53
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	21	0.69	0.3	0.7
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	21	0.69	0.3	0.7
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	21	0.57	0.3	0.59
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	21	0.56	0.04	0.56
(1,1603)	1:46:A:ASP:H	1:43:A:LYS:HB3	21	0.37	0.13	0.43
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	21	0.37	0.13	0.43
(1,1840)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	21	0.34	0.16	0.37
(1,1840)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	21	0.34	0.16	0.37
(1,1840)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	21	0.34	0.16	0.37
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	20	1.0	1.4	0.36
(1,1752)	1:34:A:LEU:HD13	1:31:A:MET:HE2	20	0.94	0.57	0.84
(1,1752)	1:34:A:LEU:HD12	1:31:A:MET:HE2	20	0.94	0.57	0.84
(1,1752)	1:34:A:LEU:HD11	1:31:A:MET:HE2	20	0.94	0.57	0.84
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB1	20	0.43	0.18	0.43
(1,1538)	1:58:A:LEU:HG	1:51:A:ALA:HB1	20	0.43	0.18	0.43
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB3	20	0.43	0.18	0.43
(1,1538)	1:58:A:LEU:HG	1:51:A:ALA:HB2	20	0.43	0.18	0.43
(1,1538)	1:58:A:LEU:HG	1:51:A:ALA:HB3	20	0.43	0.18	0.43
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB2	20	0.43	0.18	0.43
(1,1838)	1:9:A:ILE:HG23	1:81:A:LEU:HD22	20	0.35	0.11	0.36
(1,1838)	1:9:A:ILE:HG22	1:81:A:LEU:HD23	20	0.35	0.11	0.36
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD21	20	0.35	0.11	0.36
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD22	20	0.35	0.11	0.36
(1,1838)	1:9:A:ILE:HG22	1:81:A:LEU:HD22	20	0.35	0.11	0.36
(1,1838)	1:9:A:ILE:HG23	1:81:A:LEU:HD21	20	0.35	0.11	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD23	20	0.35	0.11	0.36
(1,1838)	1:9:A:ILE:HG23	1:81:A:LEU:HD23	20	0.35	0.11	0.36
(1,1838)	1:9:A:ILE:HG22	1:81:A:LEU:HD21	20	0.35	0.11	0.36
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	20	0.17	0.04	0.15
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	20	0.13	0.03	0.11
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	19	2.77	1.69	2.76
(1,289)	1:7:A:GLU:HG3	1:4:A:GLY:H	19	2.52	1.23	2.44
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	19	2.52	1.23	2.44
(1,1399)	1:8:A:ASP:H	1:6:A:LYS:H	19	0.73	0.29	0.78
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	19	0.73	0.29	0.78
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	19	0.3	0.09	0.28
(1,207)	1:75:A:ILE:HD11	1:72:A:ALA:H	19	0.3	0.09	0.28
(1,207)	1:75:A:ILE:HD12	1:72:A:ALA:H	19	0.3	0.09	0.28
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	19	0.13	0.02	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	19	0.13	0.02	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	19	0.13	0.02	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	19	0.13	0.02	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	19	0.13	0.02	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	19	0.13	0.02	0.12
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	18	1.64	0.1	1.62
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	18	1.25	0.87	1.2
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	18	0.77	0.42	1.04
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	18	0.72	0.54	0.59
(1,1621)	1:13:A:ILE:HD11	1:76:A:VAL:HG13	18	0.66	0.44	0.48
(1,1621)	1:13:A:ILE:HD13	1:76:A:VAL:HG11	18	0.66	0.44	0.48
(1,1621)	1:13:A:ILE:HD11	1:76:A:VAL:HG12	18	0.66	0.44	0.48
(1,1621)	1:13:A:ILE:HD13	1:76:A:VAL:HG12	18	0.66	0.44	0.48
(1,1621)	1:13:A:ILE:HD12	1:76:A:VAL:HG13	18	0.66	0.44	0.48
(1,1621)	1:13:A:ILE:HD13	1:76:A:VAL:HG13	18	0.66	0.44	0.48
(1,1621)	1:13:A:ILE:HD12	1:76:A:VAL:HG11	18	0.66	0.44	0.48
(1,1621)	1:75:A:ILE:HG23	1:76:A:VAL:HG13	18	0.66	0.44	0.48
(1,1621)	1:75:A:ILE:HG21	1:76:A:VAL:HG12	18	0.66	0.44	0.48
(1,1621)	1:75:A:ILE:HG22	1:76:A:VAL:HG12	18	0.66	0.44	0.48
(1,1621)	1:75:A:ILE:HG21	1:76:A:VAL:HG13	18	0.66	0.44	0.48
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	18	0.43	0.2	0.37
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	18	0.36	0.17	0.42
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	18	0.36	0.17	0.42
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	18	0.36	0.17	0.42
(1,1367)	1:14:A:ILE:HD13	1:13:A:ILE:H	18	0.31	0.12	0.34
(1,1367)	1:14:A:ILE:HG21	1:13:A:ILE:H	18	0.31	0.12	0.34
(1,1367)	1:14:A:ILE:HD12	1:13:A:ILE:H	18	0.31	0.12	0.34
(1,1367)	1:14:A:ILE:HD11	1:13:A:ILE:H	18	0.31	0.12	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	18	0.18	0.04	0.16
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG3	18	0.18	0.04	0.16
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	18	0.17	0.02	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	18	0.17	0.02	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	18	0.17	0.02	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	18	0.17	0.02	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	18	0.17	0.02	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	18	0.17	0.02	0.18
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA2	17	1.47	0.67	1.66
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA3	17	1.47	0.67	1.66
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	17	1.47	0.67	1.66
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	17	1.47	0.67	1.66
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	17	0.76	0.27	0.92
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	17	0.67	0.94	0.18
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	17	0.55	0.32	0.46
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	17	0.55	0.32	0.46
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	17	0.55	0.32	0.46
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG2	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG3	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG2	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG3	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG2	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG3	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG2	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG3	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG2	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG3	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG2	17	0.52	0.28	0.7
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG3	17	0.52	0.28	0.7
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD23	17	0.26	0.1	0.26
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD22	17	0.26	0.1	0.26
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD21	17	0.26	0.1	0.26
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	17	0.22	0.08	0.21
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	17	0.11	0.01	0.11
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	16	1.11	0.7	0.9
(1,1467)	1:33:A:ALA:HB2	1:36:A:ASN:HD21	16	1.11	0.7	0.9
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB2	16	0.8	0.44	0.82
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB2	16	0.8	0.44	0.82
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB3	16	0.8	0.44	0.82
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB3	16	0.8	0.44	0.82
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	16	0.76	1.0	0.2
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	16	0.3	0.1	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,798)	1:75:A:ILE:HD13	1:72:A:ALA:HA	16	0.26	0.11	0.22
(1,798)	1:75:A:ILE:HD12	1:72:A:ALA:HA	16	0.26	0.11	0.22
(1,798)	1:75:A:ILE:HD11	1:72:A:ALA:HA	16	0.26	0.11	0.22
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	16	0.21	0.05	0.2
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	16	0.21	0.05	0.2
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	16	0.21	0.05	0.2
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	16	0.21	0.05	0.2
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	16	0.21	0.05	0.2
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	16	0.21	0.05	0.2
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	16	0.2	0.07	0.18
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	16	0.2	0.07	0.18
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	16	0.2	0.07	0.18
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	15	1.13	0.45	1.26
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	15	1.13	0.45	1.26
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	15	1.13	0.45	1.26
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	15	1.0	0.29	0.88
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	15	0.35	0.15	0.36
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	15	0.28	0.02	0.29
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	15	0.15	0.01	0.15
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	15	0.13	0.02	0.13
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	14	1.07	0.27	1.14
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	14	0.83	0.3	1.02
(1,278)	1:66:A:LYS:HG2	1:66:A:LYS:H	14	0.83	0.3	1.02
(1,1356)	1:47:A:VAL:HG12	1:46:A:ASP:H	14	0.82	0.3	0.88
(1,1356)	1:47:A:VAL:HG11	1:46:A:ASP:H	14	0.82	0.3	0.88
(1,1356)	1:47:A:VAL:HG13	1:46:A:ASP:H	14	0.82	0.3	0.88
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG12	14	0.82	0.3	0.88
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG11	14	0.82	0.3	0.88
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG13	14	0.82	0.3	0.88
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	14	0.35	0.15	0.34
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	14	0.35	0.15	0.34
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE2	14	0.28	0.12	0.26
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE3	14	0.28	0.12	0.26
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	14	0.12	0.02	0.12
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	14	0.12	0.02	0.12
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	14	0.12	0.02	0.12
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	13	0.3	0.05	0.31
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	13	0.21	0.06	0.21
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	13	0.21	0.06	0.21
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	13	0.21	0.06	0.21
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	13	0.17	0.02	0.18
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	12	0.91	0.39	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	12	0.86	0.07	0.86
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	12	0.58	0.25	0.58
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	12	0.49	0.01	0.49
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	12	0.45	0.16	0.52
(1,1398)	1:8:A:ASP:H	1:6:A:LYS:H	12	0.42	0.18	0.44
(1,1398)	1:4:A:GLY:H	1:6:A:LYS:H	12	0.42	0.18	0.44
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	12	0.25	0.08	0.28
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	12	0.14	0.06	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	12	0.14	0.06	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	12	0.14	0.06	0.12
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	12	0.12	0.0	0.12
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	11	0.64	0.25	0.76
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB3	11	0.58	0.34	0.72
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB2	11	0.58	0.34	0.72
(1,1729)	1:16:A:ALA:HB2	1:34:A:LEU:HD22	11	0.44	0.16	0.43
(1,1729)	1:16:A:ALA:HB3	1:34:A:LEU:HD22	11	0.44	0.16	0.43
(1,1729)	1:16:A:ALA:HB1	1:34:A:LEU:HD22	11	0.44	0.16	0.43
(1,1729)	1:16:A:ALA:HB2	1:34:A:LEU:HD21	11	0.44	0.16	0.43
(1,1729)	1:16:A:ALA:HB3	1:34:A:LEU:HD21	11	0.44	0.16	0.43
(1,1729)	1:16:A:ALA:HB1	1:34:A:LEU:HD21	11	0.44	0.16	0.43
(1,1729)	1:16:A:ALA:HB2	1:34:A:LEU:HD23	11	0.44	0.16	0.43
(1,112)	1:2:A:LYS:HB3	1:3:A:MET:H	11	0.34	0.11	0.32
(1,112)	1:2:A:LYS:HB2	1:3:A:MET:H	11	0.34	0.11	0.32
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	10	1.13	0.16	1.1
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	10	0.9	0.35	0.9
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	10	0.62	0.38	0.55
(1,1850)	1:76:A:VAL:HG13	1:75:A:ILE:HG23	10	0.46	0.22	0.4
(1,1850)	1:76:A:VAL:HG12	1:75:A:ILE:HG21	10	0.46	0.22	0.4
(1,1850)	1:76:A:VAL:HG11	1:75:A:ILE:HG23	10	0.46	0.22	0.4
(1,1850)	1:76:A:VAL:HG13	1:75:A:ILE:HG22	10	0.46	0.22	0.4
(1,1850)	1:76:A:VAL:HG12	1:75:A:ILE:HG22	10	0.46	0.22	0.4
(1,1850)	1:76:A:VAL:HG13	1:75:A:ILE:HG21	10	0.46	0.22	0.4
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD11	10	0.21	0.07	0.2
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD12	10	0.21	0.07	0.2
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD13	10	0.21	0.07	0.2
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD21	9	0.87	0.38	0.73
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD22	9	0.87	0.38	0.73
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD23	9	0.87	0.38	0.73
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD21	9	0.87	0.38	0.73
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD22	9	0.87	0.38	0.73
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD23	9	0.87	0.38	0.73
(1,1494)	1:66:A:LYS:HD3	1:67:A:SER:H	9	0.64	0.24	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1854)	1:76:A:VAL:HG22	1:13:A:ILE:HD13	9	0.64	0.26	0.69
(1,1854)	1:76:A:VAL:HG21	1:13:A:ILE:HD11	9	0.64	0.26	0.69
(1,1854)	1:76:A:VAL:HG23	1:13:A:ILE:HD11	9	0.64	0.26	0.69
(1,1854)	1:76:A:VAL:HG22	1:13:A:ILE:HD12	9	0.64	0.26	0.69
(1,1854)	1:76:A:VAL:HG21	1:13:A:ILE:HD13	9	0.64	0.26	0.69
(1,1309)	1:34:A:LEU:HD11	1:31:A:MET:HE2	9	0.62	0.39	0.52
(1,1309)	1:34:A:LEU:HD12	1:31:A:MET:HE2	9	0.62	0.39	0.52
(1,1309)	1:34:A:LEU:HD13	1:31:A:MET:HE2	9	0.62	0.39	0.52
(1,352)	1:37:A:GLY:HA2	1:33:A:ALA:H	9	0.48	0.21	0.45
(1,352)	1:37:A:GLY:HA3	1:33:A:ALA:H	9	0.48	0.21	0.45
(1,1485)	1:31:A:MET:HB3	1:30:A:LEU:H	9	0.34	0.05	0.32
(1,938)	1:12:A:GLN:HG3	1:9:A:ILE:HA	9	0.32	0.18	0.3
(1,938)	1:12:A:GLN:HB3	1:9:A:ILE:HA	9	0.32	0.18	0.3
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA2	9	0.31	0.12	0.28
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA3	9	0.31	0.12	0.28
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA2	9	0.31	0.12	0.28
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA3	9	0.31	0.12	0.28
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA2	9	0.31	0.12	0.28
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA3	9	0.31	0.12	0.28
(1,341)	1:31:A:MET:HE2	1:28:A:GLU:H	8	0.85	0.59	0.67
(1,604)	1:17:A:LEU:HA	1:18:A:ALA:HB2	8	0.49	0.12	0.54
(1,1539)	1:49:A:LEU:HD13	1:79:A:ALA:HB2	8	0.37	0.2	0.38
(1,1539)	1:49:A:LEU:HD11	1:79:A:ALA:HB2	8	0.37	0.2	0.38
(1,1539)	1:49:A:LEU:HD12	1:79:A:ALA:HB3	8	0.37	0.2	0.38
(1,1539)	1:49:A:LEU:HD11	1:79:A:ALA:HB3	8	0.37	0.2	0.38
(1,1539)	1:49:A:LEU:HD12	1:79:A:ALA:HB1	8	0.37	0.2	0.38
(1,1539)	1:49:A:LEU:HD13	1:79:A:ALA:HB1	8	0.37	0.2	0.38
(1,1697)	1:81:A:LEU:HD13	1:76:A:VAL:HG13	8	0.34	0.12	0.31
(1,1697)	1:81:A:LEU:HD12	1:76:A:VAL:HG13	8	0.34	0.12	0.31
(1,1697)	1:81:A:LEU:HD22	1:5:A:VAL:HG13	8	0.34	0.12	0.31
(1,1697)	1:81:A:LEU:HD12	1:76:A:VAL:HG11	8	0.34	0.12	0.31
(1,1697)	1:81:A:LEU:HD11	1:76:A:VAL:HG11	8	0.34	0.12	0.31
(1,1697)	1:81:A:LEU:HD12	1:76:A:VAL:HG12	8	0.34	0.12	0.31
(1,1697)	1:81:A:LEU:HD13	1:76:A:VAL:HG11	8	0.34	0.12	0.31
(1,1509)	1:57:A:VAL:HG21	1:79:A:ALA:HB2	8	0.3	0.14	0.31
(1,1509)	1:57:A:VAL:HG23	1:79:A:ALA:HB1	8	0.3	0.14	0.31
(1,1509)	1:57:A:VAL:HG23	1:79:A:ALA:HB2	8	0.3	0.14	0.31
(1,1509)	1:57:A:VAL:HG21	1:79:A:ALA:HB1	8	0.3	0.14	0.31
(1,1509)	1:57:A:VAL:HG21	1:79:A:ALA:HB3	8	0.3	0.14	0.31
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG13	8	0.25	0.1	0.22
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG11	8	0.25	0.1	0.22
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG12	8	0.25	0.1	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1062)	1:34:A:LEU:HD21	1:31:A:MET:HB2	8	0.25	0.12	0.2
(1,1062)	1:34:A:LEU:HD22	1:31:A:MET:HB2	8	0.25	0.12	0.2
(1,1062)	1:34:A:LEU:HD23	1:31:A:MET:HB2	8	0.25	0.12	0.2
(1,1062)	1:34:A:LEU:HD11	1:31:A:MET:HB2	8	0.25	0.12	0.2
(1,1062)	1:34:A:LEU:HD12	1:31:A:MET:HB2	8	0.25	0.12	0.2
(1,1062)	1:34:A:LEU:HD13	1:31:A:MET:HB2	8	0.25	0.12	0.2
(1,1518)	1:44:A:SER:HB2	1:5:A:VAL:HG12	8	0.16	0.03	0.16
(1,1518)	1:44:A:SER:HB2	1:5:A:VAL:HG13	8	0.16	0.03	0.16
(1,1518)	1:6:A:LYS:HA	1:5:A:VAL:HG13	8	0.16	0.03	0.16
(1,1518)	1:6:A:LYS:HA	1:5:A:VAL:HG12	8	0.16	0.03	0.16
(1,1736)	1:75:A:ILE:HD12	1:58:A:LEU:HD13	7	0.41	0.13	0.43
(1,1736)	1:75:A:ILE:HD13	1:58:A:LEU:HD11	7	0.41	0.13	0.43
(1,1736)	1:75:A:ILE:HD12	1:58:A:LEU:HD12	7	0.41	0.13	0.43
(1,1736)	1:75:A:ILE:HD11	1:58:A:LEU:HD13	7	0.41	0.13	0.43
(1,1736)	1:75:A:ILE:HD11	1:58:A:LEU:HD11	7	0.41	0.13	0.43
(1,229)	1:71:A:VAL:HG11	1:68:A:ALA:H	7	0.23	0.1	0.26
(1,229)	1:71:A:VAL:HG12	1:68:A:ALA:H	7	0.23	0.1	0.26
(1,229)	1:71:A:VAL:HG13	1:68:A:ALA:H	7	0.23	0.1	0.26
(1,533)	1:27:A:PRO:HG2	1:31:A:MET:HE2	7	0.19	0.07	0.17
(1,533)	1:27:A:PRO:HG3	1:31:A:MET:HE2	7	0.19	0.07	0.17
(1,864)	1:30:A:LEU:HD21	1:62:A:ASP:HB3	7	0.17	0.05	0.15
(1,864)	1:30:A:LEU:HD22	1:62:A:ASP:HB3	7	0.17	0.05	0.15
(1,864)	1:30:A:LEU:HD23	1:62:A:ASP:HB3	7	0.17	0.05	0.15
(1,20)	1:45:A:GLY:HA2	1:46:A:ASP:H	7	0.12	0.01	0.12
(1,20)	1:45:A:GLY:HA3	1:46:A:ASP:H	7	0.12	0.01	0.12
(1,1754)	1:7:A:GLU:HG2	1:7:A:GLU:HA	6	0.71	0.22	0.63
(1,1754)	1:7:A:GLU:HG3	1:7:A:GLU:HA	6	0.71	0.22	0.63
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG21	6	0.23	0.06	0.25
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG22	6	0.23	0.06	0.25
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG23	6	0.23	0.06	0.25
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD11	6	0.1	0.01	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD12	6	0.1	0.01	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD13	6	0.1	0.01	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD11	6	0.1	0.01	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD12	6	0.1	0.01	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD13	6	0.1	0.01	0.1
(1,1753)	1:2:A:LYS:HE3	1:6:A:LYS:HD2	5	1.12	0.2	1.21
(1,1753)	1:2:A:LYS:HE2	1:6:A:LYS:HD2	5	1.12	0.2	1.21
(1,1646)	1:49:A:LEU:HD13	1:10:A:ARG:HD2	5	0.57	0.16	0.66
(1,1646)	1:14:A:ILE:HD12	1:10:A:ARG:HD3	5	0.57	0.16	0.66
(1,1646)	1:49:A:LEU:HD12	1:10:A:ARG:HD2	5	0.57	0.16	0.66
(1,1646)	1:49:A:LEU:HD11	1:10:A:ARG:HD2	5	0.57	0.16	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1646)	1:14:A:ILE:HD13	1:10:A:ARG:HD3	5	0.57	0.16	0.66
(1,1107)	1:48:A:GLU:HG3	1:43:A:LYS:HD3	5	0.33	0.21	0.18
(1,1107)	1:48:A:GLU:HG2	1:43:A:LYS:HD3	5	0.33	0.21	0.18
(1,597)	1:67:A:SER:HA	1:70:A:GLU:HB3	5	0.31	0.06	0.31
(1,379)	1:36:A:ASN:HA	1:36:A:ASN:HD22	5	0.19	0.02	0.19
(1,1502)	1:15:A:GLY:HA2	1:18:A:ALA:HB3	5	0.15	0.04	0.15
(1,1502)	1:15:A:GLY:HA2	1:18:A:ALA:HB1	5	0.15	0.04	0.15
(1,1502)	1:15:A:GLY:HA2	1:18:A:ALA:HB2	5	0.15	0.04	0.15
(1,1488)	1:39:A:ASP:HA	1:41:A:THR:H	5	0.14	0.02	0.13
(1,327)	1:58:A:LEU:HD21	1:56:A:GLN:H	5	0.14	0.03	0.13
(1,327)	1:58:A:LEU:HD22	1:56:A:GLN:H	5	0.14	0.03	0.13
(1,327)	1:58:A:LEU:HD23	1:56:A:GLN:H	5	0.14	0.03	0.13
(1,1439)	1:66:A:LYS:HA	1:70:A:GLU:H	5	0.11	0.01	0.11
(1,815)	1:9:A:ILE:H	1:12:A:GLN:HG3	4	0.91	1.31	0.18
(1,1493)	1:66:A:LYS:HD3	1:66:A:LYS:H	4	0.82	0.03	0.82
(1,401)	1:70:A:GLU:HG2	1:67:A:SER:H	4	0.51	0.05	0.53
(1,1510)	1:49:A:LEU:HD13	1:79:A:ALA:HB1	4	0.24	0.13	0.18
(1,1510)	1:49:A:LEU:HD11	1:79:A:ALA:HB3	4	0.24	0.13	0.18
(1,1510)	1:49:A:LEU:HD11	1:79:A:ALA:HB2	4	0.24	0.13	0.18
(1,1788)	1:6:A:LYS:H	1:9:A:ILE:HD11	4	0.21	0.09	0.18
(1,1788)	1:6:A:LYS:H	1:9:A:ILE:HD12	4	0.21	0.09	0.18
(1,469)	1:58:A:LEU:HD21	1:55:A:GLY:H	4	0.19	0.03	0.2
(1,469)	1:58:A:LEU:HD22	1:55:A:GLY:H	4	0.19	0.03	0.2
(1,469)	1:58:A:LEU:HD23	1:55:A:GLY:H	4	0.19	0.03	0.2
(1,617)	1:65:A:PHE:HE1	1:62:A:ASP:HA	4	0.16	0.04	0.16
(1,617)	1:65:A:PHE:HE2	1:62:A:ASP:HA	4	0.16	0.04	0.16
(1,1550)	1:22:A:PHE:HD1	1:22:A:PHE:HB2	4	0.14	0.03	0.13
(1,1837)	1:5:A:VAL:HG12	1:81:A:LEU:HD21	3	0.44	0.09	0.39
(1,1837)	1:5:A:VAL:HG11	1:81:A:LEU:HD23	3	0.44	0.09	0.39
(1,1837)	1:5:A:VAL:HG11	1:81:A:LEU:HD22	3	0.44	0.09	0.39
(1,946)	1:57:A:VAL:HG11	1:56:A:GLN:HG2	3	0.21	0.06	0.24
(1,946)	1:57:A:VAL:HG12	1:56:A:GLN:HG2	3	0.21	0.06	0.24
(1,946)	1:57:A:VAL:HG13	1:56:A:GLN:HG2	3	0.21	0.06	0.24
(1,946)	1:57:A:VAL:HG11	1:56:A:GLN:HG3	3	0.21	0.06	0.24
(1,946)	1:57:A:VAL:HG12	1:56:A:GLN:HG3	3	0.21	0.06	0.24
(1,946)	1:57:A:VAL:HG13	1:56:A:GLN:HG3	3	0.21	0.06	0.24
(1,1835)	1:75:A:ILE:HG21	1:49:A:LEU:HD13	3	0.18	0.04	0.2
(1,1835)	1:75:A:ILE:HG21	1:49:A:LEU:HD11	3	0.18	0.04	0.2
(1,1835)	1:75:A:ILE:HG22	1:49:A:LEU:HD11	3	0.18	0.04	0.2
(1,1583)	1:69:A:GLU:H	1:68:A:ALA:HB2	3	0.12	0.0	0.12
(1,1583)	1:69:A:GLU:H	1:68:A:ALA:HB1	3	0.12	0.0	0.12
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG21	3	0.11	0.0	0.11

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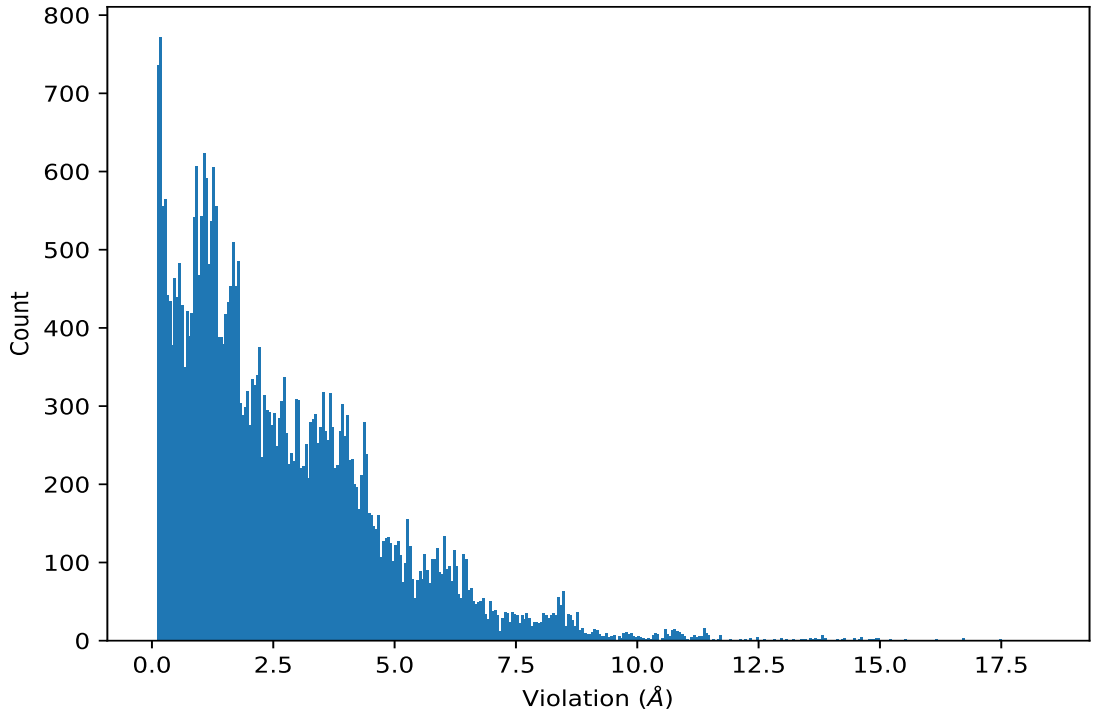
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG22	3	0.11	0.0	0.11
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG23	3	0.11	0.0	0.11
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG21	3	0.11	0.0	0.11
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG22	3	0.11	0.0	0.11
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG23	3	0.11	0.0	0.11
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD11	3	0.11	0.01	0.11
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD12	3	0.11	0.01	0.11
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD13	3	0.11	0.01	0.11
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD11	3	0.11	0.01	0.11
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD12	3	0.11	0.01	0.11
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD13	3	0.11	0.01	0.11
(3,12)	1:11:A:GLY:N	1:7:A:GLU:O	3	0.11	0.0	0.11
(1,1801)	1:22:A:PHE:HE2	1:64:A:PRO:HD3	2	0.72	0.56	0.72
(1,1207)	1:65:A:PHE:HD2	1:24:A:ILE:HG21	2	0.37	0.02	0.37
(1,1207)	1:65:A:PHE:HD2	1:24:A:ILE:HG22	2	0.37	0.02	0.37
(1,1207)	1:65:A:PHE:HD2	1:24:A:ILE:HG23	2	0.37	0.02	0.37
(1,1839)	1:9:A:ILE:HG21	1:81:A:LEU:HD11	2	0.22	0.02	0.22
(1,1802)	1:65:A:PHE:HZ	1:62:A:ASP:HB2	2	0.2	0.09	0.2
(1,1357)	1:7:A:GLU:HB2	1:8:A:ASP:H	2	0.15	0.0	0.15
(1,1659)	1:46:A:ASP:H	1:45:A:GLY:HA2	2	0.11	0.0	0.11

[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)
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	4	18.4
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	7	17.49
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	2	17.45
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	11	16.76
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	23	16.73
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	21	16.71
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	5	16.7
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	14	16.64
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	24	16.22
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	22	16.18
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	10	16.16
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	9	16.08
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	19	15.92
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	20	15.76
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	3	15.57
(1,1541)	1:46:A:ASP:HB2	1:39:A:ASP:HB2	13	15.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	25	15.5
(1,1541)	1:46:A:ASP:HB2	1:39:A:ASP:HB2	8	15.49
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	12	15.44
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	20	15.3
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	13	15.24
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	13	15.21
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	8	15.17
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	18	15.13
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	8	15.02
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	12	14.97
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	18	14.96
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	16	14.95
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	1	14.92
(1,1541)	1:46:A:ASP:HB2	1:39:A:ASP:HB2	6	14.91
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	15	14.9
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	6	14.87
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	10	14.85
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	3	14.84
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	11	14.8
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	19	14.78
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	21	14.77
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	14	14.74
(1,1541)	1:46:A:ASP:HB2	1:39:A:ASP:HB2	4	14.61
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	15	14.61
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	5	14.6
(1,19)	1:38:A:PRO:HA	1:46:A:ASP:H	17	14.6
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	4	14.58
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	12	14.55
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	4	14.51
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	18	14.47
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	11	14.47
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	7	14.46
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	23	14.42
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	23	14.29
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	3	14.27
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	8	14.26
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	5	14.24
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	17	14.24
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	15	14.12
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	21	14.11
(1,1541)	1:46:A:ASP:HB2	1:39:A:ASP:HB2	14	14.08
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	9	14.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	5	13.99
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	6	13.93
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	9	13.89
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	17	13.85
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	14	13.85
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	2	13.84
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	25	13.84
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	16	13.82
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	22	13.82
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	10	13.81
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	11	13.81
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	25	13.8
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	9	13.78
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	22	13.75
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	10	13.74
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	22	13.7
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	15	13.67
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	3	13.67
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	2	13.65
(1,1541)	1:46:A:ASP:HB2	1:39:A:ASP:HB2	7	13.62
(1,1541)	1:46:A:ASP:HB2	1:39:A:ASP:HB2	1	13.6
(1,1541)	1:46:A:ASP:HB2	1:39:A:ASP:HB2	24	13.58
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	6	13.57
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	23	13.57
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	1	13.53
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	17	13.48
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	24	13.46
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	24	13.44
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	23	13.4
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	21	13.39
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	13	13.36
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	4	13.31
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	12	13.26
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	16	13.23
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	11	13.23
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	20	13.15
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	21	13.1
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	20	13.09
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	14	13.08
(1,800)	1:39:A:ASP:HB3	1:6:A:LYS:HA	18	13.04
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	1	12.99
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	13	12.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	20	12.96
(1,1541)	1:46:A:ASP:HB3	1:39:A:ASP:HB2	19	12.82
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	8	12.82
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	19	12.73
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	24	12.68
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	25	12.64
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	2	12.61
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	7	12.56
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	16	12.49
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	7	12.48
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	12	12.48
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	6	12.45
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	2	12.41
(1,1101)	1:36:A:ASN:HB3	1:28:A:GLU:HG2	19	12.38
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	4	12.33
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	5	12.31
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	12	12.31
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	7	12.22
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	4	12.21
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	5	12.1
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	5	12.1
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	17	12.08
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	3	12.03
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	15	11.96
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	25	11.92
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	5	11.9
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	21	11.88
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	16	11.75
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	8	11.73
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	18	11.72
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	16	11.71
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	16	11.71
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	22	11.71
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	4	11.7
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	4	11.7
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	13	11.66
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	13	11.66
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	12	11.6
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	8	11.57
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	14	11.55
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	23	11.52
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	9	11.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	2	11.47
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	9	11.46
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	9	11.46
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	7	11.46
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	19	11.45
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	2	11.45
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	15	11.44
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	3	11.44
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	3	11.44
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	20	11.44
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	20	11.44
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	10	11.43
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	1	11.4
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	1	11.4
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	1	11.4
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	6	11.38
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	6	11.38
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	19	11.38
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	10	11.38
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	11	11.38
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	3	11.37
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	6	11.37
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	8	11.36
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	8	11.36
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	18	11.36
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	18	11.36
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	17	11.36
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	14	11.35
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	22	11.35
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	22	11.35
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	25	11.35
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	3	11.34
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	14	11.33
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	24	11.33
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	16	11.32
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	11	11.32
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	24	11.3
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	22	11.28
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	25	11.27
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	25	11.27
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	23	11.26
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	13	11.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	25	11.25
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	15	11.24
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	15	11.24
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	19	11.24
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	12	11.22
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	18	11.18
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	10	11.18
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	10	11.18
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	21	11.18
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	21	11.18
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	1	11.16
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	21	11.15
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	2	11.14
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	9	11.13
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	13	11.12
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	25	11.11
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	11	11.1
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	20	11.06
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	15	11.03
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	20	11.01
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	20	10.99
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	17	10.99
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	5	10.98
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	19	10.97
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	19	10.97
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	14	10.95
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	2	10.93
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	21	10.92
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	22	10.91
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	25	10.9
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	23	10.9
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	23	10.9
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	15	10.9
(1,21)	1:39:A:ASP:HB2	1:46:A:ASP:H	15	10.9
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	8	10.89
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	1	10.89
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	18	10.88
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	11	10.88
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	1	10.87
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	10	10.87
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	7	10.87
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	23	10.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	21	10.86
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	7	10.86
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	7	10.86
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	4	10.84
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	6	10.83
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	9	10.83
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	4	10.83
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	5	10.83
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	6	10.82
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	15	10.82
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	3	10.81
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	10	10.8
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	17	10.8
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	1	10.8
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	4	10.8
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	5	10.79
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	7	10.79
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	18	10.79
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	5	10.79
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	11	10.78
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	13	10.78
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	2	10.78
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	2	10.78
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	7	10.78
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	3	10.77
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	23	10.76
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	6	10.76
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	8	10.76
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	23	10.76
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	24	10.75
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	3	10.74
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	25	10.73
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	12	10.73
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	24	10.73
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	16	10.73
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	14	10.72
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	23	10.72
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	24	10.71
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	24	10.71
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	10	10.71
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	17	10.71
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	11	10.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	16	10.7
(1,90)	1:39:A:ASP:HB3	1:9:A:ILE:H	18	10.7
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	4	10.69
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	7	10.66
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	15	10.66
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	19	10.66
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	4	10.65
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	10	10.65
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	25	10.64
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	19	10.63
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	17	10.63
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	14	10.63
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	20	10.63
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	18	10.62
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	5	10.6
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	22	10.6
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	9	10.59
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	2	10.59
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	9	10.59
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	13	10.59
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	16	10.58
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	12	10.57
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	4	10.57
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	11	10.57
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	11	10.57
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	21	10.57
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	14	10.56
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	14	10.56
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	5	10.56
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	7	10.55
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	16	10.55
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	24	10.54
(1,285)	1:21:A:ASP:HA	1:62:A:ASP:H	22	10.53
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	12	10.51
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	1	10.47
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	22	10.44
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	22	10.43
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	20	10.43
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	11	10.43
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	9	10.42
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	4	10.41
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	14	10.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	13	10.4
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	21	10.38
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	2	10.38
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	17	10.38
(1,1119)	1:78:A:LYS:HB3	1:6:A:LYS:HB2	22	10.37
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	17	10.37
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	9	10.36
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	10	10.36
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	2	10.35
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	6	10.35
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	18	10.34
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	19	10.32
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	25	10.31
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	10	10.31
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	5	10.31
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	2	10.3
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	12	10.3
(1,891)	1:18:A:ALA:HB3	1:26:A:SER:HB2	8	10.28
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	21	10.28
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	7	10.22
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	8	10.22
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	13	10.2
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	24	10.17
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	14	10.15
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	20	10.14
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	23	10.12
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	23	10.1
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	3	10.09
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	21	10.08
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	2	10.06
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	25	10.06
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	15	10.05
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	24	10.03
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	15	10.01
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	16	10.01
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	8	10.01
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	22	10.01
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	3	10.0
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	3	9.97
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	6	9.97
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	20	9.96
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	15	9.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	20	9.93
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	24	9.92
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	23	9.91
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	7	9.9
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	9	9.9
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	17	9.9
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	23	9.89
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	14	9.88
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	6	9.88
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	8	9.87
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	2	9.86
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	11	9.86
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	22	9.86
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	12	9.85
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	12	9.85
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	1	9.83
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	21	9.83
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	20	9.83
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	5	9.82
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	9	9.82
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	22	9.81
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	13	9.8
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	13	9.8
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	23	9.79
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	19	9.78
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	14	9.78
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	10	9.77
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	10	9.77
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	10	9.77
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	6	9.75
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	1	9.75
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	9	9.75
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	24	9.75
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	18	9.75
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	3	9.74
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	18	9.74
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA2	17	9.73
(1,913)	1:40:A:THR:HA	1:45:A:GLY:HA3	17	9.73
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	12	9.72
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	14	9.72
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	7	9.71
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	3	9.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	18	9.71
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	19	9.67
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	11	9.66
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	8	9.65
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	4	9.64
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	1	9.64
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	21	9.62
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	22	9.62
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	16	9.62
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	8	9.6
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	6	9.55
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	1	9.54
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	17	9.54
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	11	9.54
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	24	9.52
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	12	9.52
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	24	9.51
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	15	9.5
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	24	9.49
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	3	9.49
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	12	9.46
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	17	9.46
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	11	9.45
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	18	9.45
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	5	9.44
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	24	9.44
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	18	9.42
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	9	9.4
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	11	9.4
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	16	9.39
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	11	9.38
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	13	9.38
(1,992)	1:35:A:PRO:HG3	1:32:A:ALA:HB3	2	9.38
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	20	9.38
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	21	9.37
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	21	9.36
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	6	9.36
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	3	9.36
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	14	9.34
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	4	9.33
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	13	9.33
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	15	9.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	23	9.3
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	8	9.3
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	25	9.29
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	16	9.27
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	1	9.26
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	17	9.26
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	2	9.25
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	10	9.25
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	12	9.23
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	25	9.23
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	8	9.22
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	10	9.22
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	6	9.21
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	19	9.21
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	25	9.2
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	23	9.2
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	21	9.19
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	1	9.19
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	14	9.18
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	16	9.18
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	12	9.17
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	1	9.16
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	20	9.16
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	21	9.16
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	16	9.16
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	18	9.16
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	22	9.15
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	24	9.15
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	15	9.15
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	7	9.14
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	23	9.14
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	9	9.13
(1,655)	1:48:A:GLU:HA	1:55:A:GLY:HA2	13	9.13
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	17	9.13
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	14	9.13
(1,577)	1:9:A:ILE:HG12	1:39:A:ASP:HB3	16	9.13
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	15	9.12
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	20	9.12
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB3	23	9.12
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	20	9.11
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	2	9.11
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	13	9.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	16	9.1
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	16	9.1
(1,992)	1:35:A:PRO:HG3	1:32:A:ALA:HB2	8	9.09
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	3	9.08
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	18	9.08
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	1	9.08
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	6	9.08
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	19	9.07
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	6	9.07
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	25	9.07
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	13	9.06
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	22	9.06
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	11	9.05
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	4	9.04
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	5	9.04
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	18	9.04
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	19	9.03
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	19	9.02
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	10	9.01
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	13	9.01
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	20	9.0
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	5	8.99
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	6	8.99
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	5	8.98
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	13	8.97
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	9	8.97
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	21	8.97
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	17	8.95
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	6	8.95
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB3	3	8.94
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	2	8.93
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	2	8.93
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	19	8.93
(1,1108)	1:66:A:LYS:HG2	1:63:A:PHE:HB3	20	8.92
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	20	8.92
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	7	8.92
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB3	18	8.91
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB3	24	8.91
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	12	8.9
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	15	8.89
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	15	8.89
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	20	8.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	20	8.89
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	23	8.89
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	23	8.89
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	16	8.89
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	9	8.87
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	19	8.87
(1,18)	1:40:A:THR:HA	1:46:A:ASP:H	25	8.87
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	8	8.86
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	1	8.85
(1,992)	1:35:A:PRO:HG3	1:32:A:ALA:HB3	10	8.85
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB3	25	8.85
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	4	8.85
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	15	8.85
(1,620)	1:18:A:ALA:HB2	1:22:A:PHE:HB2	8	8.84
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	14	8.83
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	14	8.83
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	19	8.82
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	11	8.82
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	11	8.82
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	11	8.82
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB3	22	8.81
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	2	8.81
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	22	8.81
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	24	8.81
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	24	8.81
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	24	8.81
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	12	8.8
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	3	8.79
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	3	8.79
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	6	8.79
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	6	8.79
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	6	8.79
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	6	8.79
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	12	8.79
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	12	8.79
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	12	8.79
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	13	8.78
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	12	8.78
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB3	14	8.78
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	11	8.78
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	4	8.78
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	4	8.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	4	8.78
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	8	8.78
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	8	8.78
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	8	8.78
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	10	8.77
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	1	8.77
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	1	8.77
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	1	8.77
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	10	8.77
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	10	8.77
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	10	8.77
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	17	8.77
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	17	8.77
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	17	8.77
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	4	8.77
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	5	8.76
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	5	8.76
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	16	8.76
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	16	8.76
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	12	8.76
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	25	8.75
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	13	8.75
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	19	8.74
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	25	8.74
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	25	8.74
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	25	8.74
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	9	8.74
(1,738)	1:14:A:ILE:HG12	1:66:A:LYS:HA	9	8.73
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	4	8.72
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	14	8.71
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	4	8.71
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	4	8.71
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	2	8.71
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	10	8.71
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	12	8.7
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	12	8.7
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	17	8.7
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	17	8.7
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	13	8.7
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	7	8.7
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	22	8.69
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	22	8.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:35:A:PRO:HG2	1:32:A:ALA:HB2	7	8.69
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	24	8.68
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	24	8.68
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	21	8.68
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	12	8.68
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	6	8.67
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	6	8.67
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	8	8.67
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	8	8.67
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	13	8.67
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	13	8.67
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	2	8.67
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	9	8.67
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	1	8.66
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	1	8.66
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	9	8.66
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	9	8.66
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	7	8.66
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	2	8.66
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	24	8.66
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	2	8.65
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	2	8.65
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	23	8.65
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	23	8.65
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	13	8.64
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	11	8.64
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	11	8.64
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	12	8.64
(1,738)	1:14:A:ILE:HG12	1:66:A:LYS:HA	8	8.64
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	13	8.64
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	21	8.64
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	5	8.64
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	5	8.64
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	5	8.64
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	15	8.64
(1,1642)	1:68:A:ALA:HB1	1:62:A:ASP:HB3	18	8.63
(1,1540)	1:13:A:ILE:HD13	1:39:A:ASP:HB2	3	8.63
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	7	8.63
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	7	8.63
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	18	8.63
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	18	8.63
(1,738)	1:14:A:ILE:HG12	1:66:A:LYS:HA	3	8.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	14	8.63
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	7	8.62
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	19	8.62
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	19	8.62
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	1	8.62
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	7	8.62
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	7	8.62
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	7	8.62
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	10	8.61
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	10	8.61
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	15	8.6
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	15	8.6
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	25	8.6
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	25	8.6
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	14	8.6
(1,738)	1:14:A:ILE:HG12	1:66:A:LYS:HA	16	8.59
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	16	8.59
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	7	8.58
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	25	8.58
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	11	8.58
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	14	8.57
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	14	8.57
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	20	8.57
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	20	8.57
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	21	8.57
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	21	8.57
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	25	8.57
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	6	8.57
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	6	8.57
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	6	8.57
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	6	8.57
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	2	8.56
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	14	8.56
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	18	8.56
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	18	8.56
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	18	8.56
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	10	8.56
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	10	8.56
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	10	8.56
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	10	8.56
(1,1642)	1:68:A:ALA:HB3	1:62:A:ASP:HB3	20	8.55
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	3	8.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	2	8.55
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	2	8.55
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	2	8.55
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	3	8.55
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	3	8.55
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	3	8.55
(1,65)	1:9:A:ILE:HG12	1:39:A:ASP:H	10	8.55
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	20	8.54
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	21	8.54
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	17	8.53
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	23	8.53
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	20	8.53
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	1	8.52
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	5	8.52
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	5	8.52
(3,32)	1:51:A:ALA:H	1:47:A:VAL:O	6	8.51
(1,1018)	1:36:A:ASN:HB3	1:28:A:GLU:HB2	19	8.51
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	3	8.51
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	7	8.5
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	6	8.5
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	10	8.5
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	18	8.5
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	21	8.5
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	21	8.5
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	21	8.5
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	21	8.5
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	14	8.49
(1,992)	1:35:A:PRO:HG3	1:32:A:ALA:HB3	15	8.49
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	4	8.49
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	8	8.49
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	12	8.49
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	15	8.49
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	16	8.49
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	25	8.49
(1,640)	1:66:A:LYS:HG2	1:63:A:PHE:HA	20	8.49
(1,1642)	1:68:A:ALA:HB1	1:62:A:ASP:HB3	25	8.48
(1,860)	1:21:A:ASP:HB2	1:62:A:ASP:HB2	22	8.48
(1,860)	1:21:A:ASP:HB3	1:62:A:ASP:HB2	22	8.48
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	11	8.48
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	17	8.48
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	24	8.48
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	22	8.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	9	8.48
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	25	8.48
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	8	8.47
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	15	8.47
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	3	8.47
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	19	8.47
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	22	8.47
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	11	8.47
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	12	8.47
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	17	8.47
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	8	8.47
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	14	8.47
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	14	8.47
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	14	8.47
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	19	8.47
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	19	8.47
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	19	8.47
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	11	8.47
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	11	8.47
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	11	8.47
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	11	8.47
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	13	8.47
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	13	8.47
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	13	8.47
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	13	8.47
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	20	8.47
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	20	8.47
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	20	8.47
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	20	8.47
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	23	8.46
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	20	8.46
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	5	8.46
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	6	8.46
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	18	8.46
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	23	8.46
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	22	8.46
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	22	8.46
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	22	8.46
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	22	8.46
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	3	8.45
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	15	8.45
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	5	8.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	5	8.45
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	7	8.45
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	7	8.45
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	7	8.45
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	7	8.45
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	18	8.44
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	13	8.44
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	13	8.44
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	13	8.44
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	21	8.44
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	21	8.44
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	21	8.44
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	2	8.44
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	2	8.44
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	2	8.44
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	2	8.44
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	14	8.44
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	14	8.44
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	14	8.44
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	14	8.44
(1,1642)	1:68:A:ALA:HB1	1:62:A:ASP:HB3	10	8.43
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	14	8.43
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	7	8.43
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	4	8.43
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	14	8.43
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	7	8.43
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	23	8.43
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	23	8.43
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	23	8.43
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	6	8.42
(1,1642)	1:68:A:ALA:HB1	1:62:A:ASP:HB3	11	8.42
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	21	8.42
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	24	8.41
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	13	8.41
(1,1642)	1:68:A:ALA:HB1	1:62:A:ASP:HB3	19	8.4
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	12	8.4
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	25	8.4
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	9	8.4
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	21	8.4
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	25	8.4
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	22	8.4
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	23	8.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	23	8.4
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	16	8.4
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	16	8.4
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	16	8.4
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	1	8.4
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	1	8.4
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	1	8.4
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	1	8.4
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	12	8.39
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	20	8.39
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	17	8.39
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	15	8.39
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	15	8.39
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	15	8.39
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	17	8.39
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	17	8.39
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	17	8.39
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	17	8.39
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	19	8.39
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	19	8.39
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	19	8.39
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	19	8.39
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	7	8.38
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	15	8.38
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	24	8.38
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	15	8.38
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	16	8.38
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	16	8.38
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	16	8.38
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	16	8.38
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	10	8.37
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	20	8.37
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	20	8.37
(1,1642)	1:68:A:ALA:HB3	1:62:A:ASP:HB3	21	8.36
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	22	8.36
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	20	8.36
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	20	8.36
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	20	8.36
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	20	8.36
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	8	8.36
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	8	8.36
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	8	8.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	8	8.36
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	20	8.36
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	11	8.35
(1,738)	1:14:A:ILE:HG13	1:66:A:LYS:HA	24	8.35
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	2	8.35
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	2	8.35
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	15	8.35
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	15	8.35
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	4	8.35
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	4	8.35
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	4	8.35
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	4	8.35
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	9	8.35
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	9	8.35
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	9	8.35
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	9	8.35
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	15	8.35
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	15	8.35
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	15	8.35
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	15	8.35
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	23	8.35
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	22	8.34
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	5	8.34
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	4	8.33
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	8	8.33
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	10	8.33
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	10	8.33
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	12	8.33
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	12	8.33
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	7	8.33
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	15	8.33
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	17	8.33
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	4	8.32
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	23	8.32
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	21	8.31
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	21	8.31
(1,992)	1:35:A:PRO:HG3	1:32:A:ALA:HB3	16	8.31
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	6	8.31
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	5	8.31
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	5	8.31
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	5	8.31
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	5	8.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	12	8.31
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	12	8.31
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	12	8.31
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	12	8.31
(1,1642)	1:68:A:ALA:HB3	1:62:A:ASP:HB3	13	8.3
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	4	8.3
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	4	8.3
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	2	8.3
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	25	8.3
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	25	8.3
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	25	8.3
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	25	8.3
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	4	8.29
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	9	8.29
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	9	8.29
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	9	8.29
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	16	8.29
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	22	8.28
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	8	8.28
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	10	8.28
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	11	8.28
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	4	8.28
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	12	8.28
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	2	8.27
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	14	8.27
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	5	8.27
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	6	8.27
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	6	8.27
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	3	8.27
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	3	8.27
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	3	8.27
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	3	8.27
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	17	8.26
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	21	8.26
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB1	22	8.26
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB2	22	8.26
(1,505)	1:23:A:PRO:HB2	1:60:A:ALA:HB3	22	8.26
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	25	8.26
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	25	8.25
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	7	8.25
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	7	8.25
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	14	8.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	14	8.25
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	1	8.25
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	8	8.25
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	11	8.25
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	3	8.25
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	2	8.24
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	12	8.24
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	16	8.24
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	23	8.24
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	18	8.24
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	18	8.24
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	25	8.24
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	17	8.24
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	9	8.23
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	6	8.23
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	6	8.23
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	7	8.23
(1,1642)	1:68:A:ALA:HB2	1:62:A:ASP:HB3	4	8.22
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	22	8.22
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	22	8.22
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	14	8.21
(1,1642)	1:68:A:ALA:HB3	1:62:A:ASP:HB3	1	8.21
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	16	8.21
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	3	8.21
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	3	8.21
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	25	8.21
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	25	8.21
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	19	8.21
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	16	8.21
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	23	8.21
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	7	8.21
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	24	8.2
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	25	8.2
(1,1642)	1:68:A:ALA:HB3	1:62:A:ASP:HB3	9	8.2
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	24	8.2
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	24	8.2
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	8	8.2
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	2	8.2
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	10	8.19
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	25	8.19
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	7	8.19
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	4	8.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	23	8.18
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	5	8.18
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	5	8.18
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	8	8.18
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	8	8.18
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	13	8.18
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	13	8.18
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	22	8.18
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	14	8.18
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	10	8.18
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	23	8.18
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	24	8.18
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	25	8.18
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	8	8.17
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	11	8.17
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	19	8.17
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	19	8.17
(1,756)	1:23:A:PRO:HG2	1:61:A:ASP:HA	1	8.17
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	1	8.16
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	4	8.16
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	11	8.16
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	11	8.16
(1,1642)	1:68:A:ALA:HB3	1:62:A:ASP:HB3	16	8.15
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	21	8.15
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	15	8.15
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	11	8.14
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	11	8.14
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	21	8.14
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	7	8.14
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	14	8.14
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	24	8.14
(1,371)	1:39:A:ASP:HB3	1:12:A:GLN:HE22	10	8.14
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	7	8.13
(1,1642)	1:68:A:ALA:HB3	1:62:A:ASP:HB3	5	8.13
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	17	8.13
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	21	8.12
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	6	8.12
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	10	8.12
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	12	8.12
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	1	8.12
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	17	8.12
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	18	8.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	18	8.12
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	18	8.12
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	18	8.12
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	9	8.11
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	20	8.11
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	19	8.11
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	18	8.11
(1,992)	1:35:A:PRO:HG3	1:32:A:ALA:HB3	17	8.11
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	13	8.11
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	15	8.11
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	19	8.11
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	20	8.11
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	21	8.11
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	21	8.11
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	18	8.1
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	14	8.1
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	22	8.09
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	1	8.09
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	13	8.09
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	23	8.09
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	12	8.09
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	20	8.09
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	3	8.08
(1,1642)	1:68:A:ALA:HB3	1:62:A:ASP:HB3	3	8.08
(1,1540)	1:13:A:ILE:HD11	1:39:A:ASP:HB2	11	8.08
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	4	8.08
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	5	8.08
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	24	8.08
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	15	8.07
(1,1642)	1:68:A:ALA:HB1	1:62:A:ASP:HB3	2	8.07
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	6	8.07
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	17	8.07
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	17	8.07
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	6	8.07
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	3	8.07
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	4	8.07
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	6	8.07
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	18	8.06
(1,1373)	1:47:A:VAL:HA	1:52:A:SER:H	19	8.06
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	10	8.06
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	18	8.06
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	15	8.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	23	8.06
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	23	8.06
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	23	8.06
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	23	8.06
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	1	8.06
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	8	8.05
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	15	8.05
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	23	8.05
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	6	8.05
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	18	8.04
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	3	8.04
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	5	8.04
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	11	8.03
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	25	8.03
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG2	4	8.03
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	2	8.03
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	18	8.03
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	16	8.02
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	13	8.02
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	17	8.02
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	11	8.02
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	11	8.02
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	22	8.01
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	9	8.01
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	19	8.0
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	12	8.0
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	23	8.0
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	23	8.0
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB2	24	8.0
(1,500)	1:11:A:GLY:HA2	1:65:A:PHE:HB3	24	8.0
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB2	24	8.0
(1,500)	1:11:A:GLY:HA3	1:65:A:PHE:HB3	24	8.0
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	5	8.0
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	5	7.99
(1,699)	1:62:A:ASP:HB2	1:23:A:PRO:HB3	9	7.99
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	11	7.99
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	11	7.99
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	3	7.99
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	8	7.98
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	9	7.98
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	19	7.98
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	7	7.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	22	7.97
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	20	7.97
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	20	7.97
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	17	7.96
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	5	7.96
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	2	7.96
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	21	7.95
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	21	7.95
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	5	7.95
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	14	7.95
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	17	7.95
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	12	7.95
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	20	7.95
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	4	7.94
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	13	7.94
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	20	7.94
(1,794)	1:14:A:ILE:HG12	1:66:A:LYS:HG3	9	7.94
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	8	7.94
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	24	7.94
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	16	7.94
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	20	7.94
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	2	7.93
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	16	7.93
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	8	7.93
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	12	7.93
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	10	7.93
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	1	7.92
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	1	7.92
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	18	7.92
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	24	7.92
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	21	7.92
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	21	7.92
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	24	7.91
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	18	7.91
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	21	7.91
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	3	7.91
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	22	7.91
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	23	7.89
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	23	7.89
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	23	7.89
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	1	7.89
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	10	7.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:64:A:PRO:HB3	1:20:A:ALA:HA	9	7.88
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	13	7.88
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD12	6	7.87
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD12	18	7.87
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	1	7.87
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	11	7.87
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	24	7.87
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	15	7.87
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	5	7.87
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD12	8	7.86
(1,794)	1:14:A:ILE:HG12	1:66:A:LYS:HG3	19	7.86
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	16	7.86
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	7	7.85
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	19	7.85
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	24	7.85
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	6	7.85
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	6	7.85
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	6	7.85
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	22	7.85
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	2	7.84
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	14	7.84
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	14	7.84
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	13	7.83
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	17	7.83
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	15	7.83
(1,794)	1:14:A:ILE:HG12	1:66:A:LYS:HG2	8	7.82
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	25	7.82
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	4	7.81
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	15	7.81
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	10	7.81
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	10	7.81
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	19	7.81
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	21	7.81
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	21	7.81
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	4	7.81
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	1	7.8
(1,794)	1:14:A:ILE:HG12	1:66:A:LYS:HG3	11	7.8
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	17	7.8
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	4	7.79
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD12	10	7.79
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG2	14	7.79
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	6	7.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	15	7.79
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	4	7.79
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	4	7.79
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	14	7.79
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	20	7.78
(1,794)	1:14:A:ILE:HG12	1:66:A:LYS:HG3	1	7.78
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	12	7.78
(1,694)	1:58:A:LEU:HB2	1:23:A:PRO:HA	9	7.78
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	23	7.78
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	25	7.78
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	5	7.77
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	5	7.77
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	13	7.77
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD12	2	7.77
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	3	7.77
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	9	7.77
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	9	7.77
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	17	7.76
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	17	7.76
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	5	7.76
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	10	7.76
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	19	7.76
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	2	7.76
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	7	7.76
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	10	7.75
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	6	7.74
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	6	7.74
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	18	7.74
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	25	7.74
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	25	7.74
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	21	7.74
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	2	7.74
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	7	7.73
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	7	7.73
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	8	7.73
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	8	7.73
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	24	7.73
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	24	7.73
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD12	13	7.73
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	14	7.73
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	8	7.73
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	9	7.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	9	7.73
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	4	7.72
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	4	7.72
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	12	7.72
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	12	7.72
(1,578)	1:9:A:ILE:HG12	1:39:A:ASP:HB2	21	7.72
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	9	7.71
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	9	7.71
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	23	7.71
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	23	7.71
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	13	7.71
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	20	7.71
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	2	7.71
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	7	7.71
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	22	7.71
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	3	7.7
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	14	7.7
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	14	7.7
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	1	7.69
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	1	7.69
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	12	7.69
(1,1169)	1:63:A:PHE:HD1	1:57:A:VAL:HA	16	7.68
(1,1169)	1:63:A:PHE:HD2	1:57:A:VAL:HA	16	7.68
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	17	7.68
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	24	7.68
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	22	7.68
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	10	7.68
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	10	7.68
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	18	7.68
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	18	7.68
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	11	7.67
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	11	7.67
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	13	7.67
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	3	7.67
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	18	7.67
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	15	7.66
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	15	7.66
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	16	7.66
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	16	7.66
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	19	7.66
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	19	7.66
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	8	7.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	3	7.65
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	3	7.65
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	10	7.65
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	10	7.65
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	20	7.64
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	20	7.64
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	21	7.64
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	14	7.63
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	14	7.63
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	21	7.63
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	21	7.63
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	20	7.63
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	25	7.63
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	8	7.63
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	21	7.62
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	9	7.62
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	9	7.62
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	18	7.62
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	18	7.62
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	9	7.62
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	19	7.62
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	4	7.62
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	14	7.62
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	13	7.62
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	5	7.61
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	16	7.61
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	12	7.61
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	4	7.61
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	9	7.61
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	14	7.61
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	25	7.6
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	25	7.6
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	19	7.6
(1,794)	1:14:A:ILE:HG12	1:66:A:LYS:HG2	3	7.6
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	7	7.6
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	16	7.6
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	1	7.59
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	22	7.58
(1,1540)	1:13:A:ILE:HD11	1:39:A:ASP:HB2	23	7.58
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	17	7.58
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	7	7.58
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG2	18	7.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	23	7.57
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	18	7.57
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	6	7.57
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	8	7.57
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	1	7.57
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	20	7.57
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	2	7.56
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	11	7.56
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	21	7.56
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	13	7.55
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	13	7.55
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	7	7.55
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	8	7.55
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD12	20	7.55
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	18	7.55
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	4	7.55
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	14	7.54
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	18	7.54
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	18	7.54
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	23	7.54
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	12	7.53
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	22	7.53
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	11	7.53
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	11	7.53
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	22	7.53
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	10	7.52
(1,1540)	1:13:A:ILE:HD11	1:39:A:ASP:HB2	16	7.52
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	1	7.52
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	23	7.52
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	25	7.52
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	22	7.51
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	21	7.51
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	17	7.51
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	12	7.51
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	24	7.51
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	5	7.51
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	5	7.51
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	22	7.51
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	22	7.51
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	24	7.51
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	2	7.5
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	19	7.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	13	7.5
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	23	7.5
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	23	7.5
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	23	7.5
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	3	7.5
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	3	7.5
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	8	7.5
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	11	7.49
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	11	7.49
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	7	7.49
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	10	7.49
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	19	7.49
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	19	7.49
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	19	7.49
(3,33)	1:51:A:ALA:N	1:47:A:VAL:O	6	7.48
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	22	7.48
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	22	7.48
(1,700)	1:58:A:LEU:HB2	1:23:A:PRO:HB2	9	7.48
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	22	7.48
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	8	7.48
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	22	7.48
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	14	7.47
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	24	7.47
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	4	7.47
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	18	7.47
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	18	7.47
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	13	7.47
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	2	7.46
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	9	7.46
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	15	7.46
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	14	7.45
(1,794)	1:14:A:ILE:HG12	1:66:A:LYS:HG2	22	7.45
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	10	7.45
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	13	7.45
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	15	7.45
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	20	7.45
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	3	7.45
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	3	7.45
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	2	7.45
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	2	7.45
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	1	7.45
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	18	7.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	16	7.44
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	14	7.44
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	19	7.44
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	12	7.44
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	17	7.44
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	18	7.43
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	21	7.43
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	25	7.43
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	25	7.43
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	25	7.43
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	24	7.43
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	24	7.43
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	4	7.43
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	6	7.43
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB2	2	7.42
(1,1132)	1:62:A:ASP:HB3	1:21:A:ASP:HB3	2	7.42
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	25	7.42
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	5	7.42
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	11	7.42
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	24	7.42
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD12	22	7.41
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	8	7.41
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	21	7.41
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	3	7.41
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	8	7.41
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	9	7.41
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	16	7.41
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	14	7.41
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	14	7.41
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	14	7.41
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	3	7.41
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	21	7.4
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	13	7.4
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	24	7.4
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	23	7.4
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	1	7.39
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	10	7.39
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	10	7.39
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	8	7.39
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB2	4	7.38
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	5	7.38
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	1	7.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	20	7.38
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	10	7.38
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	9	7.37
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	14	7.37
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	12	7.37
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	12	7.37
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	12	7.37
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	7	7.37
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	7	7.37
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	20	7.37
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	20	7.37
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	14	7.37
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	9	7.37
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	2	7.36
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	10	7.36
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	1	7.35
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	19	7.35
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE2	5	7.34
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	2	7.34
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	25	7.34
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG23	16	7.33
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	3	7.33
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	24	7.33
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	10	7.33
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	9	7.33
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	18	7.33
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	23	7.33
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	5	7.32
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	5	7.32
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	20	7.32
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	11	7.32
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	15	7.32
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	15	7.32
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	4	7.31
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	5	7.31
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	10	7.31
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	15	7.31
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	15	7.31
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	16	7.31
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	21	7.31
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	12	7.3
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	15	7.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	8	7.3
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	5	7.3
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	5	7.3
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	5	7.3
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	15	7.3
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	15	7.3
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	15	7.3
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	8	7.3
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	8	7.3
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	24	7.3
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	8	7.29
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	16	7.29
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	22	7.29
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	16	7.29
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	22	7.29
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	22	7.29
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	22	7.29
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	16	7.28
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	16	7.28
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	5	7.28
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	18	7.28
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	25	7.28
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	19	7.27
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	19	7.27
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	11	7.27
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	8	7.27
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	8	7.27
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	13	7.26
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	17	7.26
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	17	7.26
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	17	7.26
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	22	7.26
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	22	7.26
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	13	7.26
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	20	7.26
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	11	7.26
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	3	7.26
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	13	7.25
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	4	7.25
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	4	7.25
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	3	7.25
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	11	7.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	16	7.25
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	9	7.25
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	6	7.25
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	12	7.25
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	9	7.24
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	15	7.24
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	18	7.24
(1,1552)	1:26:A:SER:HB2	1:22:A:PHE:HB2	23	7.24
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	23	7.24
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	6	7.23
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	19	7.23
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	6	7.23
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	10	7.23
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	6	7.23
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	3	7.23
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	8	7.23
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	22	7.23
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	1	7.22
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	7	7.22
(1,1108)	1:66:A:LYS:HG2	1:63:A:PHE:HB3	17	7.21
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	3	7.21
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	3	7.21
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	3	7.21
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	2	7.21
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	2	7.21
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	7	7.21
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	9	7.2
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	9	7.2
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	1	7.2
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	4	7.2
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	4	7.2
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	4	7.2
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	7	7.2
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	2	7.19
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	12	7.18
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	24	7.18
(1,1717)	1:49:A:LEU:HD11	1:46:A:ASP:HB2	4	7.17
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	3	7.17
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	23	7.17
(1,1108)	1:66:A:LYS:HG2	1:63:A:PHE:HB3	3	7.16
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	12	7.16
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	4	7.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	14	7.16
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	19	7.15
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB2	24	7.15
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	13	7.14
(1,1108)	1:66:A:LYS:HG2	1:63:A:PHE:HB3	12	7.14
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	15	7.14
(1,1108)	1:66:A:LYS:HG2	1:63:A:PHE:HB3	5	7.13
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	5	7.13
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	5	7.13
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	5	7.13
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	11	7.13
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	7	7.13
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	7	7.13
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	7	7.13
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	20	7.12
(1,1108)	1:66:A:LYS:HG2	1:63:A:PHE:HB3	22	7.12
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	2	7.12
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	7	7.12
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	11	7.12
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	11	7.12
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	11	7.12
(1,290)	1:23:A:PRO:HG2	1:62:A:ASP:H	2	7.12
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	4	7.11
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	4	7.11
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	4	7.11
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	5	7.11
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	13	7.11
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	9	7.1
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	18	7.1
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	9	7.1
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB2	14	7.1
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	18	7.1
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	25	7.1
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	1	7.1
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	1	7.1
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	2	7.09
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	25	7.09
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	8	7.09
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	8	7.09
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	8	7.09
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	21	7.08
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	16	7.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	16	7.08
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	23	7.08
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	16	7.08
(1,1717)	1:49:A:LEU:HD13	1:46:A:ASP:HB2	13	7.07
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	12	7.07
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	12	7.07
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	10	7.07
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	10	7.07
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	10	7.07
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	24	7.07
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	20	7.07
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	20	7.07
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	20	7.07
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	2	7.07
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	15	7.07
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	6	7.06
(1,1108)	1:66:A:LYS:HG3	1:63:A:PHE:HB3	9	7.06
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	24	7.06
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	24	7.06
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	24	7.06
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	24	7.06
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	12	7.06
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	19	7.06
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	8	7.05
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	10	7.05
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	14	7.05
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	21	7.05
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	1	7.05
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	18	7.05
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	18	7.05
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	5	7.05
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	19	7.05
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	1	7.04
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	15	7.04
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	16	7.04
(1,1783)	1:65:A:PHE:HB3	1:14:A:ILE:HG21	19	7.04
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	14	7.04
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	12	7.04
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	5	7.04
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	1	7.04
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	12	7.03
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	19	7.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	24	7.03
(1,1717)	1:49:A:LEU:HD13	1:46:A:ASP:HB2	5	7.03
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	23	7.03
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	17	7.03
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	17	7.03
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	14	7.03
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	14	7.03
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	4	7.02
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	17	7.02
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	25	7.02
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	2	7.02
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	5	7.01
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	11	7.01
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	23	7.01
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	22	7.01
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	22	7.01
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	22	7.01
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	15	7.01
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	15	7.01
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	3	7.0
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	4	7.0
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	18	7.0
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	18	7.0
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	18	7.0
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	10	7.0
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	10	7.0
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	5	7.0
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	5	7.0
(1,1108)	1:66:A:LYS:HG2	1:63:A:PHE:HB3	23	6.99
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB3	11	6.99
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	8	6.99
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	8	6.99
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	13	6.99
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	13	6.99
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	4	6.99
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	4	6.99
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	12	6.99
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	12	6.99
(1,1783)	1:65:A:PHE:HB3	1:14:A:ILE:HG21	14	6.98
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB3	25	6.98
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	4	6.98
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	10	6.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	17	6.98
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	6	6.98
(1,449)	1:18:A:ALA:HB2	1:26:A:SER:H	17	6.98
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	1	6.98
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	1	6.98
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	1	6.98
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	7	6.97
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	2	6.97
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	5	6.97
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	5	6.97
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	9	6.97
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	9	6.97
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	9	6.97
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	20	6.97
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	20	6.97
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	20	6.97
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	23	6.97
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	23	6.97
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	23	6.97
(3,36)	1:68:A:ALA:H	1:64:A:PRO:O	22	6.96
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB3	21	6.96
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	1	6.96
(1,1717)	1:49:A:LEU:HD13	1:46:A:ASP:HB2	24	6.95
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	7	6.95
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	13	6.95
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	13	6.95
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	16	6.95
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	14	6.95
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	21	6.95
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	2	6.95
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	2	6.95
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	2	6.95
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	13	6.95
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	13	6.95
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	13	6.95
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	13	6.95
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	7	6.94
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	7	6.94
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	7	6.94
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	14	6.93
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	14	6.93
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	14	6.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	5	6.93
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	9	6.93
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	9	6.93
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	9	6.93
(1,143)	1:44:A:SER:HB2	1:41:A:THR:H	25	6.93
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	13	6.92
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	7	6.92
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	7	6.92
(1,1592)	1:24:A:ILE:HG21	1:21:A:ASP:HA	20	6.91
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	13	6.91
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	24	6.91
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	24	6.91
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	4	6.91
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	17	6.91
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	15	6.91
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	15	6.91
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	15	6.91
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	14	6.9
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	19	6.9
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	9	6.9
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	9	6.9
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	9	6.9
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	18	6.89
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	6	6.89
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	9	6.89
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	19	6.89
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	19	6.89
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	8	6.89
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	21	6.88
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	14	6.88
(1,1783)	1:65:A:PHE:HB3	1:14:A:ILE:HG23	12	6.87
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	18	6.87
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	6	6.87
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	6	6.87
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	6	6.87
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	21	6.87
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	21	6.87
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	21	6.87
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	3	6.87
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	3	6.87
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	18	6.87
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	9	6.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	9	6.86
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	5	6.86
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	5	6.86
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	14	6.86
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	14	6.86
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	14	6.86
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG3	14	6.85
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB3	9	6.85
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	10	6.85
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB3	13	6.85
(1,843)	1:78:A:LYS:HB3	1:2:A:LYS:HE3	4	6.85
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	22	6.85
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	22	6.85
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	19	6.85
(1,1717)	1:49:A:LEU:HD11	1:46:A:ASP:HB2	7	6.84
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	12	6.84
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	2	6.84
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	2	6.84
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	2	6.84
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	12	6.84
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	12	6.84
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	10	6.84
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	19	6.84
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	19	6.84
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	19	6.84
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	21	6.84
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	21	6.84
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	21	6.84
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	3	6.83
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	23	6.83
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	6	6.83
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	16	6.83
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	7	6.83
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	7	6.83
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	7	6.83
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	1	6.82
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	19	6.82
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	19	6.82
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	19	6.82
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	13	6.82
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	20	6.82
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	25	6.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	20	6.82
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	10	6.82
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	12	6.81
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	3	6.81
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	10	6.81
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	10	6.81
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	10	6.81
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	6	6.81
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	6	6.81
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	3	6.81
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	3	6.81
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	25	6.81
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	25	6.81
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	25	6.81
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	5	6.8
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	5	6.8
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	20	6.8
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	20	6.8
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	2	6.8
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	2	6.8
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	2	6.8
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	25	6.8
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	25	6.8
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	1	6.8
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	1	6.8
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	3	6.8
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG23	9	6.79
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	4	6.79
(1,1717)	1:49:A:LEU:HD12	1:46:A:ASP:HB2	8	6.79
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB2	7	6.79
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	15	6.79
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	4	6.79
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	4	6.79
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	7	6.79
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	8	6.79
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	8	6.79
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	8	6.79
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	9	6.79
(1,1717)	1:49:A:LEU:HD12	1:46:A:ASP:HB2	1	6.78
(1,1592)	1:17:A:LEU:HB3	1:21:A:ASP:HA	3	6.78
(1,1592)	1:24:A:ILE:HG22	1:21:A:ASP:HA	4	6.78
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	1	6.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	1	6.78
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	25	6.78
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	25	6.78
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	18	6.78
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	6	6.77
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	20	6.77
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	10	6.77
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	11	6.77
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	3	6.77
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	3	6.77
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	3	6.77
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	1	6.77
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	1	6.77
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	1	6.77
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	24	6.77
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	24	6.77
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	21	6.76
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	23	6.76
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	23	6.76
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	23	6.76
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	7	6.76
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	13	6.76
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	13	6.76
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	22	6.76
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	22	6.76
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	22	6.76
(1,1783)	1:65:A:PHE:HB3	1:14:A:ILE:HG21	23	6.75
(1,1592)	1:24:A:ILE:HG22	1:21:A:ASP:HA	23	6.75
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	3	6.75
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	3	6.75
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	4	6.75
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	23	6.75
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	23	6.75
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	23	6.75
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	3	6.75
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	1	6.74
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	22	6.74
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	5	6.74
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	17	6.74
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	22	6.74
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG21	1	6.73
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG21	4	6.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB3	15	6.73
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	16	6.73
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	23	6.73
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	23	6.73
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	17	6.73
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	8	6.73
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	15	6.73
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	3	6.73
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	18	6.72
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	17	6.72
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	25	6.72
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	11	6.72
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	11	6.72
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	11	6.72
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB3	17	6.72
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	20	6.72
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	6	6.72
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	6	6.72
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	12	6.72
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	2	6.71
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	8	6.71
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	7	6.71
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	3	6.71
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	8	6.71
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	8	6.71
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	24	6.71
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	24	6.71
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	24	6.71
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	21	6.71
(1,1750)	1:49:A:LEU:HA	1:31:A:MET:HE2	8	6.7
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	14	6.7
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	11	6.7
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	16	6.7
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	16	6.7
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	2	6.7
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	2	6.7
(1,579)	1:12:A:GLN:HB3	1:39:A:ASP:HB3	18	6.7
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	11	6.7
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	11	6.7
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	8	6.7
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	8	6.7
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	8	6.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:18:A:ALA:HB2	1:27:A:PRO:HA	23	6.69
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	12	6.69
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	12	6.69
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	24	6.69
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	24	6.69
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	16	6.69
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	16	6.69
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	16	6.69
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	8	6.69
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	8	6.69
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	22	6.69
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	19	6.68
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	20	6.68
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	14	6.68
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	14	6.68
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	14	6.68
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	5	6.68
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	24	6.68
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	6	6.68
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	8	6.68
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	10	6.67
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB3	18	6.67
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	17	6.67
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	17	6.67
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	19	6.67
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	19	6.67
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	13	6.67
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	13	6.67
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	13	6.67
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	13	6.67
(1,1718)	1:49:A:LEU:HD23	1:46:A:ASP:HB3	13	6.66
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	2	6.66
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	15	6.66
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	24	6.66
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	7	6.66
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	7	6.66
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	11	6.66
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	11	6.66
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	25	6.66
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	25	6.66
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	18	6.66
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	18	6.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	18	6.66
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG23	7	6.65
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	12	6.65
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	12	6.65
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	12	6.65
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	2	6.64
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	22	6.64
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	1	6.64
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	16	6.64
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD13	3	6.64
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	4	6.64
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	10	6.64
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	16	6.64
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	16	6.64
(1,1717)	1:49:A:LEU:HD11	1:46:A:ASP:HB2	10	6.63
(1,1592)	1:24:A:ILE:HG22	1:21:A:ASP:HA	2	6.63
(1,1592)	1:24:A:ILE:HG22	1:21:A:ASP:HA	7	6.63
(1,1592)	1:24:A:ILE:HG22	1:21:A:ASP:HA	17	6.63
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	22	6.63
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD13	4	6.63
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	11	6.63
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	11	6.63
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	17	6.63
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	15	6.63
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	13	6.63
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	13	6.63
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	7	6.62
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	7	6.62
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	10	6.62
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	10	6.62
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	15	6.62
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	15	6.62
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	19	6.62
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	19	6.62
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	17	6.62
(1,1718)	1:49:A:LEU:HD22	1:46:A:ASP:HB3	24	6.61
(1,1717)	1:49:A:LEU:HD12	1:46:A:ASP:HB2	14	6.61
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	24	6.61
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	17	6.61
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	18	6.61
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	9	6.61
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	9	6.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	23	6.61
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	20	6.61
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	20	6.61
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	20	6.61
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	10	6.61
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	9	6.61
(1,1592)	1:24:A:ILE:HG21	1:21:A:ASP:HA	6	6.6
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	22	6.6
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	2	6.6
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	2	6.6
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	18	6.6
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	18	6.6
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	14	6.6
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	7	6.6
(1,1717)	1:49:A:LEU:HD11	1:46:A:ASP:HB3	25	6.59
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	8	6.59
(1,1592)	1:24:A:ILE:HG21	1:21:A:ASP:HA	12	6.59
(1,1592)	1:24:A:ILE:HG22	1:21:A:ASP:HA	13	6.59
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	6	6.59
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	6	6.59
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	6	6.59
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	6	6.59
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	6	6.59
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	6	6.59
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD13	5	6.59
(1,1717)	1:49:A:LEU:HD11	1:46:A:ASP:HB2	3	6.58
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	5	6.58
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	9	6.58
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD13	7	6.58
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	13	6.58
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	13	6.58
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	15	6.58
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	15	6.58
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	6	6.58
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	6	6.58
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	6	6.58
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	1	6.58
(1,1048)	1:49:A:LEU:HG	1:46:A:ASP:HB2	19	6.57
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	25	6.57
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	25	6.57
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	7	6.57
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	7	6.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	5	6.57
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	5	6.57
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	20	6.57
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	4	6.57
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	4	6.57
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	15	6.56
(1,1540)	1:13:A:ILE:HD13	1:39:A:ASP:HB2	19	6.56
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	5	6.56
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	8	6.56
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	8	6.56
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	8	6.56
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	20	6.56
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	20	6.56
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	20	6.56
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	14	6.56
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	14	6.56
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	1	6.56
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	22	6.56
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	18	6.56
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	25	6.56
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	23	6.56
(1,261)	1:45:A:GLY:HA2	1:42:A:CYS:H	17	6.56
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG23	8	6.55
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD12	23	6.55
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	17	6.55
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	17	6.55
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	1	6.55
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	1	6.55
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	9	6.55
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	9	6.55
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	14	6.55
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	14	6.55
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	16	6.55
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	16	6.55
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	22	6.55
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	22	6.55
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	23	6.55
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	23	6.55
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	13	6.55
(1,1717)	1:49:A:LEU:HD13	1:46:A:ASP:HB2	2	6.54
(1,1537)	1:76:A:VAL:HG13	1:69:A:GLU:HB2	20	6.54
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD12	1	6.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD13	12	6.54
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	20	6.54
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	20	6.54
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	20	6.54
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	1	6.54
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	1	6.54
(1,598)	1:18:A:ALA:HB3	1:22:A:PHE:HB3	20	6.54
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	5	6.54
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	5	6.54
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	5	6.54
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	5	6.54
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	5	6.54
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	20	6.53
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	20	6.53
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	16	6.53
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	16	6.53
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	3	6.53
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	3	6.53
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	12	6.53
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	12	6.53
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	24	6.52
(1,1537)	1:76:A:VAL:HG13	1:69:A:GLU:HB2	22	6.52
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	12	6.52
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	17	6.52
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	4	6.52
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	4	6.52
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	4	6.52
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	4	6.52
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	4	6.52
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	11	6.52
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	11	6.52
(1,580)	1:12:A:GLN:HB2	1:39:A:ASP:HB3	18	6.52
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	17	6.52
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	17	6.52
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	8	6.52
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	6	6.52
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	6	6.52
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	7	6.51
(1,1592)	1:24:A:ILE:HG21	1:21:A:ASP:HA	19	6.51
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	4	6.51
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	4	6.51
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	4	6.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	4	6.51
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	4	6.51
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	4	6.51
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	19	6.51
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	19	6.51
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	19	6.51
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	21	6.51
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	21	6.51
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	4	6.5
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD13	9	6.5
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	13	6.5
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	13	6.5
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	13	6.5
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	17	6.5
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	17	6.5
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	24	6.5
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	24	6.5
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	21	6.5
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	21	6.5
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	11	6.5
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	25	6.49
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	3	6.49
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	3	6.49
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	3	6.49
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	3	6.49
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	1	6.49
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	1	6.49
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	1	6.49
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	13	6.49
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	13	6.49
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	13	6.49
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	2	6.49
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	2	6.49
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	10	6.49
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	10	6.49
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	18	6.49
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	18	6.49
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	25	6.49
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	25	6.49
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	17	6.49
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	17	6.49
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	15	6.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	2	6.49
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	4	6.49
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	6	6.49
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	6	6.49
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	5	6.49
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	5	6.49
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	5	6.49
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	14	6.48
(1,1540)	1:13:A:ILE:HD13	1:39:A:ASP:HB2	24	6.48
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	9	6.48
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	21	6.48
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	21	6.48
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	21	6.48
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	21	6.48
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	21	6.48
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	21	6.48
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD12	15	6.48
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	15	6.48
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	15	6.48
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	15	6.48
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	6	6.48
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	6	6.48
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	16	6.48
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	16	6.48
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	25	6.47
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	1	6.47
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	7	6.47
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	7	6.47
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	7	6.47
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	7	6.47
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	7	6.47
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	7	6.47
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB3	1	6.47
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD12	16	6.47
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	2	6.47
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	3	6.47
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	3	6.47
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	3	6.47
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	4	6.47
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	4	6.47
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	4	6.47
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	9	6.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	4	6.47
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	4	6.47
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	4	6.47
(1,1592)	1:24:A:ILE:HG22	1:21:A:ASP:HA	22	6.46
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	25	6.46
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	23	6.46
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	8	6.46
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	18	6.46
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	11	6.46
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	23	6.46
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	23	6.46
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	23	6.46
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	23	6.46
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	23	6.46
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	23	6.46
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD13	17	6.46
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	14	6.46
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	14	6.46
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	14	6.46
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	23	6.46
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	23	6.46
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	23	6.46
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	7	6.46
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	7	6.46
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	7	6.46
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	6	6.46
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	12	6.46
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	6	6.46
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	6	6.46
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	6	6.46
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB2	22	6.45
(1,847)	1:62:A:ASP:H	1:21:A:ASP:HB3	22	6.45
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	11	6.45
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	11	6.45
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	11	6.45
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	14	6.45
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	14	6.45
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	14	6.45
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	11	6.45
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	20	6.45
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	11	6.44
(1,1537)	1:76:A:VAL:HG12	1:69:A:GLU:HB2	15	6.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	24	6.44
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	18	6.44
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	21	6.44
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	21	6.44
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	11	6.44
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	11	6.44
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	11	6.44
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	14	6.44
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	24	6.44
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	18	6.44
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	15	6.44
(1,1718)	1:49:A:LEU:HD22	1:46:A:ASP:HB3	1	6.43
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	6	6.43
(1,1592)	1:24:A:ILE:HG23	1:21:A:ASP:HA	21	6.43
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	6	6.43
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	13	6.43
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	21	6.43
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	25	6.43
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	19	6.43
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	19	6.43
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	19	6.43
(1,601)	1:49:A:LEU:HB3	1:36:A:ASN:HB3	19	6.43
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	8	6.43
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	8	6.43
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	23	6.43
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	9	6.43
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	9	6.43
(1,1750)	1:49:A:LEU:HA	1:31:A:MET:HE2	15	6.42
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	15	6.42
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	16	6.42
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	23	6.42
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	23	6.42
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	24	6.42
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	24	6.42
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	24	6.42
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	24	6.42
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	24	6.42
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	24	6.42
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	13	6.42
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	9	6.42
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	9	6.42
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	9	6.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	25	6.42
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	25	6.42
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	25	6.42
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	12	6.42
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	12	6.42
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	2	6.42
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	7	6.42
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	16	6.42
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	3	6.42
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	3	6.42
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	3	6.42
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	11	6.42
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	11	6.42
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	11	6.42
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	12	6.42
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	12	6.42
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	12	6.42
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	17	6.42
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	17	6.42
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	17	6.42
(1,1592)	1:24:A:ILE:HG22	1:21:A:ASP:HA	11	6.41
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	19	6.41
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	19	6.41
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	9	6.41
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	21	6.41
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	21	6.41
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	21	6.41
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	19	6.41
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	19	6.41
(1,464)	1:48:A:GLU:HA	1:52:A:SER:H	11	6.41
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	6	6.41
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	6	6.41
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	24	6.41
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	24	6.41
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	24	6.41
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	8	6.4
(1,1717)	1:81:A:LEU:HD13	1:46:A:ASP:HB3	18	6.4
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	2	6.4
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	16	6.4
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	16	6.4
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	16	6.4
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	2	6.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	2	6.4
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	2	6.4
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	2	6.4
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	2	6.4
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	2	6.4
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	18	6.4
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	18	6.4
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	18	6.4
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD12	24	6.4
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	2	6.4
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	2	6.4
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	2	6.4
(1,640)	1:66:A:LYS:HG2	1:63:A:PHE:HA	23	6.4
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	24	6.4
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	17	6.4
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	17	6.4
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	17	6.4
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	9	6.4
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	10	6.4
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	17	6.4
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	21	6.4
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	22	6.4
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	8	6.4
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	8	6.4
(1,1592)	1:24:A:ILE:HG21	1:21:A:ASP:HA	10	6.39
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	17	6.39
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	24	6.39
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	24	6.39
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	24	6.39
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	21	6.39
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	3	6.39
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	3	6.39
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	3	6.39
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	20	6.39
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	20	6.39
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG23	17	6.38
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	22	6.38
(1,1592)	1:24:A:ILE:HG21	1:21:A:ASP:HA	14	6.38
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	4	6.38
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	2	6.38
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	2	6.38
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	2	6.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD12	11	6.38
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	12	6.38
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	9	6.38
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	9	6.38
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	12	6.38
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	12	6.38
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	7	6.37
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	7	6.37
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	7	6.37
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	13	6.37
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	13	6.37
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	13	6.37
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD12	19	6.37
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	8	6.37
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	18	6.37
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	18	6.37
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	18	6.37
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	19	6.37
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	3	6.37
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	3	6.37
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	6	6.37
(1,1537)	1:76:A:VAL:HG13	1:69:A:GLU:HB2	24	6.36
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	20	6.36
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	9	6.36
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	16	6.36
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	21	6.35
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	1	6.35
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	1	6.35
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	1	6.35
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	9	6.35
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	9	6.35
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	9	6.35
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	20	6.35
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	25	6.35
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	25	6.35
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	25	6.35
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	23	6.34
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	23	6.34
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	2	6.34
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	2	6.34
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	2	6.34
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	2	6.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	2	6.34
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	2	6.34
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD13	14	6.34
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	6	6.34
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	22	6.34
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	22	6.34
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	22	6.34
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	15	6.34
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	15	6.34
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	15	6.34
(1,22)	1:13:A:ILE:HG13	1:46:A:ASP:H	22	6.34
(1,1537)	1:76:A:VAL:HG13	1:69:A:GLU:HB2	6	6.33
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	14	6.33
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	14	6.33
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	14	6.33
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	14	6.33
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	11	6.33
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	3	6.33
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	22	6.33
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	22	6.33
(1,1540)	1:13:A:ILE:HD13	1:39:A:ASP:HB2	6	6.32
(1,1454)	1:22:A:PHE:HB2	1:28:A:GLU:H	20	6.32
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	21	6.32
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	21	6.32
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	21	6.32
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	21	6.32
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	21	6.32
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	21	6.32
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	23	6.32
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	23	6.32
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	23	6.32
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	6	6.32
(1,640)	1:66:A:LYS:HG2	1:63:A:PHE:HA	22	6.32
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	4	6.32
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	10	6.32
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	10	6.32
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	10	6.32
(1,113)	1:60:A:ALA:HB1	1:57:A:VAL:H	16	6.32
(1,113)	1:60:A:ALA:HB2	1:57:A:VAL:H	16	6.32
(1,113)	1:60:A:ALA:HB3	1:57:A:VAL:H	16	6.32
(1,1717)	1:49:A:LEU:HD13	1:46:A:ASP:HB2	23	6.31
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	7	6.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	7	6.31
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	7	6.31
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	1	6.3
(1,640)	1:66:A:LYS:HG2	1:63:A:PHE:HA	12	6.3
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	1	6.3
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	1	6.3
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	1	6.3
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	13	6.3
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	13	6.3
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	18	6.3
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	18	6.3
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	22	6.29
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	22	6.29
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	3	6.29
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	6	6.28
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	6	6.28
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	6	6.28
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	6	6.28
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	6	6.28
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	6	6.28
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	5	6.28
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	5	6.28
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	5	6.28
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	5	6.28
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	5	6.28
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	5	6.28
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	10	6.28
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	10	6.28
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	10	6.28
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	10	6.28
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	10	6.28
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	10	6.28
(1,977)	1:28:A:GLU:HG3	1:24:A:ILE:HD12	21	6.28
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	1	6.27
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	1	6.27
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	1	6.27
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	1	6.27
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	1	6.27
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	1	6.27
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	5	6.27
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	5	6.27
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	5	6.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:28:A:GLU:HG2	1:24:A:ILE:HD13	25	6.27
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	7	6.27
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	7	6.27
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	6	6.27
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	6	6.27
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	6	6.27
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	23	6.27
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	23	6.27
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	23	6.27
(1,640)	1:66:A:LYS:HG2	1:63:A:PHE:HA	5	6.27
(1,640)	1:66:A:LYS:HG2	1:63:A:PHE:HA	17	6.27
(1,636)	1:44:A:SER:HB3	1:41:A:THR:HA	17	6.27
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	10	6.27
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	7	6.27
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	7	6.27
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	16	6.26
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	16	6.26
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	16	6.26
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	16	6.26
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	16	6.26
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	5	6.26
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	5	6.26
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	1	6.26
(1,640)	1:66:A:LYS:HG2	1:63:A:PHE:HA	3	6.26
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	13	6.26
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	13	6.26
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	13	6.26
(1,547)	1:63:A:PHE:HE1	1:57:A:VAL:HA	1	6.26
(1,547)	1:63:A:PHE:HE2	1:57:A:VAL:HA	1	6.26
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	15	6.26
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	15	6.26
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	25	6.26
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	25	6.26
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	11	6.25
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	11	6.25
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	11	6.25
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	11	6.25
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	11	6.25
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	11	6.25
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	14	6.25
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	14	6.25
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	14	6.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	14	6.25
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	14	6.25
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	14	6.25
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	1	6.25
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	1	6.25
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	1	6.25
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	15	6.25
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	15	6.25
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	9	6.25
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	9	6.25
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	1	6.25
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	1	6.25
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	1	6.25
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	19	6.25
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	19	6.25
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	19	6.25
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	8	6.25
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	8	6.25
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	2	6.25
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	2	6.25
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	1	6.25
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	1	6.25
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	15	6.24
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	15	6.24
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	15	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	15	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	15	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	15	6.24
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	17	6.24
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	17	6.24
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	17	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	17	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	17	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	17	6.24
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	18	6.24
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	18	6.24
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	18	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	18	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	18	6.24
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	18	6.24
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	10	6.24
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	10	6.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	10	6.24
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	8	6.24
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	8	6.24
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	8	6.24
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	8	6.24
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	8	6.24
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	8	6.24
(1,1540)	1:13:A:ILE:HD11	1:39:A:ASP:HB2	5	6.23
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	18	6.23
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	18	6.23
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	18	6.23
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	14	6.23
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	14	6.23
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	14	6.23
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	23	6.23
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	23	6.23
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	23	6.23
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	1	6.23
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	1	6.23
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	14	6.23
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	14	6.23
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	15	6.23
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	15	6.23
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	18	6.23
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	18	6.23
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	18	6.23
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	5	6.23
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	5	6.23
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	5	6.23
(1,481)	1:62:A:ASP:HB2	1:68:A:ALA:H	5	6.23
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	7	6.23
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	4	6.22
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB3	6	6.22
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	17	6.22
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	17	6.22
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	3	6.22
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	3	6.22
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	5	6.22
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	5	6.22
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	11	6.22
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	11	6.22
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	23	6.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	23	6.22
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	19	6.22
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	20	6.22
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	24	6.22
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	24	6.22
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	24	6.22
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB3	8	6.21
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	21	6.21
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	21	6.21
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	21	6.21
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	1	6.21
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	1	6.21
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	2	6.21
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	2	6.21
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	4	6.21
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	4	6.21
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	12	6.21
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	12	6.21
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	16	6.21
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	16	6.21
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	16	6.21
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	10	6.21
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	8	6.21
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	8	6.21
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	15	6.21
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	15	6.21
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	19	6.21
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	25	6.21
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	25	6.21
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	25	6.21
(1,1717)	1:81:A:LEU:HD11	1:46:A:ASP:HB3	21	6.2
(1,1540)	1:13:A:ILE:HD11	1:39:A:ASP:HB2	4	6.2
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	7	6.2
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	7	6.2
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	24	6.2
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	24	6.2
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	24	6.2
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	24	6.2
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	24	6.2
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	24	6.2
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	17	6.2
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	17	6.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	17	6.2
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	20	6.2
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	20	6.2
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	13	6.2
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	13	6.2
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	18	6.2
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	18	6.2
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	24	6.2
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	24	6.2
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	7	6.2
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	7	6.2
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	2	6.2
(1,1717)	1:49:A:LEU:HD12	1:46:A:ASP:HB3	15	6.19
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	10	6.19
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	1	6.19
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	1	6.19
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	6	6.19
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	6	6.19
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	6	6.19
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	12	6.19
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	12	6.19
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	12	6.19
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	16	6.19
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	17	6.19
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	17	6.19
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	22	6.19
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	22	6.19
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	22	6.19
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	10	6.19
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	10	6.19
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB2	12	6.18
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	14	6.18
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	10	6.18
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	10	6.18
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	25	6.18
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	25	6.18
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	20	6.18
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	20	6.18
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	20	6.18
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	14	6.18
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	24	6.18
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	15	6.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	12	6.17
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	3	6.17
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	3	6.17
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	3	6.17
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	3	6.17
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	3	6.17
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	3	6.17
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	9	6.17
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	9	6.17
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	9	6.17
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	9	6.17
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	9	6.17
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	9	6.17
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB3	21	6.17
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	24	6.17
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	24	6.17
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	24	6.17
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	25	6.17
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	25	6.17
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	25	6.17
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	6	6.17
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	6	6.17
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	23	6.17
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	18	6.16
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	11	6.16
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	11	6.16
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	11	6.16
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	22	6.16
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	22	6.16
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	22	6.16
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	13	6.16
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	13	6.16
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	14	6.16
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	8	6.15
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	16	6.15
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	8	6.15
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	8	6.15
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	21	6.15
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	21	6.15
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	7	6.15
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	7	6.15
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	7	6.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	22	6.15
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	22	6.15
(1,640)	1:66:A:LYS:HG3	1:63:A:PHE:HA	9	6.15
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	7	6.15
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG23	21	6.14
(1,1717)	1:81:A:LEU:HD13	1:46:A:ASP:HB3	17	6.14
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	4	6.14
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	4	6.14
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	4	6.14
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	12	6.14
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	12	6.14
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	12	6.14
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	20	6.14
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	20	6.14
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	5	6.13
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	11	6.13
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	8	6.13
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	8	6.13
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	8	6.13
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	18	6.13
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	18	6.13
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	18	6.13
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	12	6.13
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	1	6.13
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	1	6.13
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	9	6.13
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	9	6.13
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	10	6.13
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	10	6.13
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	18	6.13
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	18	6.13
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	12	6.13
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	12	6.13
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	12	6.13
(1,393)	1:27:A:PRO:HB3	1:49:A:LEU:H	16	6.13
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	21	6.13
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	21	6.13
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	4	6.13
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	24	6.13
(1,1717)	1:49:A:LEU:HD13	1:46:A:ASP:HB2	20	6.12
(1,1537)	1:76:A:VAL:HG13	1:69:A:GLU:HB2	12	6.12
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	4	6.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	4	6.12
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	18	6.12
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	18	6.12
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	18	6.12
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	18	6.12
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	18	6.12
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	18	6.12
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	8	6.12
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	8	6.12
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	22	6.12
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	22	6.12
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	22	6.12
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	8	6.12
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	8	6.12
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	8	6.12
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	4	6.12
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	4	6.12
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	3	6.11
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	11	6.11
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	11	6.11
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	11	6.11
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	11	6.11
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	11	6.11
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	11	6.11
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	10	6.11
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	10	6.11
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	10	6.11
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	25	6.11
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	25	6.11
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	24	6.11
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	24	6.11
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	24	6.11
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	14	6.11
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	14	6.11
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	20	6.11
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	20	6.11
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	4	6.11
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	13	6.11
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	1	6.1
(1,1537)	1:76:A:VAL:HG12	1:69:A:GLU:HB2	1	6.1
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	5	6.1
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	1	6.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	1	6.1
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	1	6.1
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	5	6.1
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	5	6.1
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	16	6.1
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	16	6.1
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	23	6.1
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	23	6.1
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	19	6.1
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	5	6.1
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	5	6.1
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	5	6.1
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	25	6.1
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	21	6.1
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	21	6.1
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	20	6.09
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	20	6.09
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	20	6.09
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	20	6.09
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	20	6.09
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	20	6.09
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	7	6.09
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	7	6.09
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	7	6.09
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	6	6.09
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	6	6.09
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	6	6.09
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	13	6.09
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	13	6.09
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	13	6.09
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	5	6.09
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	5	6.09
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	5	6.09
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	22	6.09
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	22	6.09
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	22	6.09
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	16	6.08
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	17	6.08
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	20	6.08
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	2	6.08
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	2	6.08
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	2	6.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	22	6.08
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	22	6.08
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	23	6.08
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	23	6.08
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	21	6.07
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	7	6.07
(1,1537)	1:76:A:VAL:HG13	1:69:A:GLU:HB2	14	6.07
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	7	6.07
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	22	6.07
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	22	6.07
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	22	6.07
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	22	6.07
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	22	6.07
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	22	6.07
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	3	6.07
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	3	6.07
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	3	6.07
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	2	6.07
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	6	6.07
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	6	6.07
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	6	6.07
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	11	6.07
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	11	6.07
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	11	6.07
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	25	6.07
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	25	6.07
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB2	19	6.07
(1,551)	1:37:A:GLY:H	1:48:A:GLU:HB3	19	6.07
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	20	6.07
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	20	6.07
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	23	6.07
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	19	6.06
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	8	6.06
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	8	6.06
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	8	6.06
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	8	6.06
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	8	6.06
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	8	6.06
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB3	11	6.06
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	13	6.06
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	13	6.06
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	13	6.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	21	6.06
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	21	6.06
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	4	6.06
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	19	6.06
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	19	6.06
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	15	6.06
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	15	6.06
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	15	6.06
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	22	6.06
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	24	6.05
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	19	6.05
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	19	6.05
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	19	6.05
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	23	6.05
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	5	6.05
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	3	6.05
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	3	6.05
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	3	6.05
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	25	6.05
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	25	6.05
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	11	6.05
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	11	6.05
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG21	18	6.04
(1,1717)	1:49:A:LEU:HD12	1:46:A:ASP:HB2	12	6.04
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	4	6.04
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	4	6.04
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	4	6.04
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	4	6.04
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	4	6.04
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	4	6.04
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	23	6.04
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	23	6.04
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	23	6.04
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	23	6.04
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	23	6.04
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	23	6.04
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	16	6.04
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	16	6.04
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	16	6.04
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	16	6.04
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	16	6.04
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	16	6.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	25	6.04
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	25	6.04
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	1	6.04
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	12	6.04
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	12	6.04
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	12	6.04
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	24	6.04
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	24	6.04
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	24	6.04
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	3	6.04
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	3	6.04
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	3	6.04
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	21	6.04
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	3	6.04
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	15	6.04
(1,1537)	1:76:A:VAL:HG12	1:69:A:GLU:HB2	8	6.03
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	8	6.03
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	8	6.03
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	7	6.03
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	7	6.03
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	7	6.03
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	7	6.03
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	7	6.03
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	7	6.03
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB2	5	6.03
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	14	6.03
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	14	6.03
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	14	6.03
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	21	6.03
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	4	6.03
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	4	6.03
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	4	6.03
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	9	6.03
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	9	6.03
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	9	6.03
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	22	6.03
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	8	6.03
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	19	6.03
(1,1717)	1:81:A:LEU:HD12	1:46:A:ASP:HB3	11	6.02
(1,1537)	1:76:A:VAL:HG12	1:69:A:GLU:HB2	16	6.02
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	14	6.02
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	5	6.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB2	23	6.02
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	5	6.02
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	5	6.02
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	5	6.02
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	8	6.02
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	8	6.02
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	8	6.02
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	9	6.02
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	9	6.02
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	9	6.02
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	2	6.02
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	2	6.02
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	25	6.02
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	11	6.02
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	24	6.02
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	24	6.02
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	14	6.02
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	23	6.02
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	11	6.02
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	6	6.01
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	6	6.01
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	9	6.01
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	25	6.01
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	25	6.01
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	25	6.01
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	25	6.01
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	25	6.01
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	25	6.01
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	15	6.01
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	15	6.01
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	15	6.01
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	3	6.01
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	5	6.01
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	5	6.01
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	5	6.01
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	5	6.01
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	5	6.01
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	5	6.01
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	9	6.01
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	4	6.01
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	4	6.01
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	4	6.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	10	6.01
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	10	6.01
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	10	6.01
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	3	6.01
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	3	6.01
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	15	6.01
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	15	6.01
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	1	6.01
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	2	6.01
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	5	6.01
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	10	6.01
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	21	6.01
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	14	6.0
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	3	6.0
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	3	6.0
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	6	6.0
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	6	6.0
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	6	6.0
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	2	6.0
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	2	6.0
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	2	6.0
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	16	6.0
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	16	6.0
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	17	6.0
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	17	6.0
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	17	6.0
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	21	6.0
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	21	6.0
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	21	6.0
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	17	6.0
(1,1717)	1:49:A:LEU:HD13	1:46:A:ASP:HB2	22	5.99
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	15	5.99
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	15	5.99
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	15	5.99
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	11	5.99
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	11	5.99
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	11	5.99
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	11	5.99
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	16	5.99
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	25	5.99
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	13	5.98
(1,1537)	1:76:A:VAL:HG12	1:69:A:GLU:HB2	10	5.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:76:A:VAL:HG13	1:69:A:GLU:HB2	19	5.98
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	10	5.98
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	10	5.98
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	10	5.98
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	10	5.98
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	10	5.98
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	10	5.98
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	11	5.98
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	11	5.98
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	11	5.98
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	18	5.98
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	2	5.98
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	7	5.98
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	10	5.98
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	12	5.98
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	17	5.98
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	17	5.98
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	17	5.98
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	17	5.98
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	17	5.98
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	6	5.98
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	3	5.97
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	11	5.97
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	16	5.97
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	16	5.97
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	16	5.97
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	4	5.97
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	4	5.97
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	4	5.97
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	4	5.97
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	4	5.97
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	4	5.97
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	15	5.97
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	17	5.97
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	16	5.97
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	4	5.97
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	4	5.97
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	4	5.97
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	9	5.97
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	9	5.97
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	9	5.97
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	7	5.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	4	5.96
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	4	5.96
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	6	5.96
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	6	5.96
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	3	5.96
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	8	5.96
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	13	5.96
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	15	5.96
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	21	5.96
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	14	5.96
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	14	5.96
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	14	5.96
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	23	5.96
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	23	5.96
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	23	5.96
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	12	5.96
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	13	5.95
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	13	5.95
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	13	5.95
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	13	5.95
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	13	5.95
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	13	5.95
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	15	5.95
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	15	5.95
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	6	5.95
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	22	5.95
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	19	5.95
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	8	5.95
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	8	5.95
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	11	5.95
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	15	5.95
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	2	5.94
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	21	5.94
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	21	5.94
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	21	5.94
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	3	5.94
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	14	5.94
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	23	5.94
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	18	5.94
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	18	5.94
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	18	5.94
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	10	5.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	10	5.94
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	10	5.94
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	23	5.93
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	14	5.93
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	14	5.93
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	14	5.93
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	14	5.93
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	14	5.93
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	14	5.93
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	22	5.93
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	8	5.93
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	25	5.93
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	22	5.93
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	22	5.93
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	22	5.93
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	9	5.93
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	9	5.93
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	5	5.93
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	7	5.92
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB3	25	5.92
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	17	5.92
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	17	5.92
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	17	5.92
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	20	5.92
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	20	5.92
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	23	5.92
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	18	5.92
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	7	5.92
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	18	5.92
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	18	5.92
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	18	5.92
(1,1537)	1:76:A:VAL:HG12	1:69:A:GLU:HB2	7	5.91
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	9	5.91
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	9	5.91
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	9	5.91
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	9	5.91
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	9	5.91
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	9	5.91
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	11	5.91
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	11	5.91
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	11	5.91
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	14	5.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	14	5.91
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	17	5.91
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	9	5.91
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	9	5.91
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	9	5.91
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	20	5.91
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	20	5.91
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	20	5.91
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	5	5.91
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	5	5.91
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	10	5.91
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	10	5.91
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	24	5.91
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	9	5.91
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	13	5.91
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	5	5.9
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	12	5.9
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	12	5.9
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	12	5.9
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	12	5.9
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	12	5.9
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	12	5.9
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	15	5.9
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	15	5.9
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	15	5.9
(1,581)	1:12:A:GLN:HB2	1:39:A:ASP:HB2	21	5.9
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	7	5.9
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	7	5.9
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	7	5.9
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	8	5.9
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	8	5.9
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	8	5.9
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	9	5.9
(1,135)	1:63:A:PHE:HB3	1:66:A:LYS:H	18	5.9
(1,1717)	1:49:A:LEU:HD11	1:46:A:ASP:HB2	19	5.89
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	6	5.89
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	16	5.89
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	16	5.89
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	24	5.89
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	15	5.89
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	6	5.89
(1,596)	1:19:A:GLY:HA2	1:22:A:PHE:HB2	20	5.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:19:A:GLY:HA3	1:22:A:PHE:HB2	20	5.89
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	10	5.89
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	10	5.89
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	10	5.89
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	15	5.89
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	15	5.89
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	15	5.89
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	8	5.89
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	21	5.88
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	21	5.88
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	21	5.88
(1,687)	1:60:A:ALA:HB1	1:57:A:VAL:HA	16	5.88
(1,687)	1:60:A:ALA:HB2	1:57:A:VAL:HA	16	5.88
(1,687)	1:60:A:ALA:HB3	1:57:A:VAL:HA	16	5.88
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	15	5.88
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	15	5.88
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	15	5.88
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	2	5.88
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	2	5.88
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	2	5.88
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	2	5.88
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	2	5.88
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	2	5.88
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	16	5.88
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	16	5.88
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	16	5.88
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	12	5.87
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	15	5.87
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	15	5.87
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	15	5.87
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	15	5.87
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	15	5.87
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	15	5.87
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	22	5.87
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	22	5.87
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	22	5.87
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	22	5.87
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	22	5.87
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	22	5.87
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	18	5.87
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	18	5.87
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	24	5.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	25	5.87
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	25	5.87
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	25	5.87
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	17	5.87
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	2	5.87
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	9	5.87
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	2	5.87
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	12	5.87
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	12	5.87
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	12	5.87
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	1	5.86
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	1	5.86
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	1	5.86
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	1	5.86
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	1	5.86
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	1	5.86
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	6	5.86
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	6	5.86
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	6	5.86
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD11	19	5.86
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD12	19	5.86
(1,1074)	1:48:A:GLU:HB2	1:30:A:LEU:HD13	19	5.86
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD11	19	5.86
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD12	19	5.86
(1,1074)	1:48:A:GLU:HB3	1:30:A:LEU:HD13	19	5.86
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	24	5.86
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	24	5.86
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	24	5.86
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	17	5.86
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	17	5.86
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	17	5.86
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	11	5.86
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	1	5.86
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	3	5.86
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	9	5.86
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	9	5.86
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	9	5.86
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	12	5.86
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	12	5.86
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	12	5.86
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	9	5.86
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	7	5.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	17	5.85
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	17	5.85
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	17	5.85
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	17	5.85
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	17	5.85
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	17	5.85
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	25	5.85
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	25	5.85
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	25	5.85
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	7	5.85
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	7	5.85
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	7	5.85
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	7	5.85
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	7	5.85
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	7	5.85
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	2	5.85
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	12	5.85
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	6	5.85
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	6	5.85
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	6	5.85
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	1	5.85
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	1	5.85
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	1	5.85
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	4	5.85
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	4	5.85
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	4	5.85
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	9	5.84
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	9	5.84
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	16	5.84
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	16	5.84
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	12	5.84
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	12	5.84
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	11	5.84
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	5	5.84
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	1	5.84
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	1	5.84
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	1	5.84
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	8	5.84
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	8	5.84
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	8	5.84
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	11	5.84
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	11	5.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	11	5.84
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	25	5.84
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	25	5.84
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	25	5.84
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	15	5.84
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	15	5.84
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	2	5.84
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	18	5.84
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	18	5.84
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	19	5.84
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	19	5.84
(1,1717)	1:49:A:LEU:HD13	1:46:A:ASP:HB2	6	5.83
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	19	5.83
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	16	5.83
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	16	5.83
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	16	5.83
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	16	5.83
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	16	5.83
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	16	5.83
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	13	5.83
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	18	5.83
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	18	5.83
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	18	5.83
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	20	5.83
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	20	5.83
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	20	5.83
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	4	5.83
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	17	5.83
(1,688)	1:60:A:ALA:HB3	1:57:A:VAL:HA	8	5.83
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	21	5.83
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	21	5.83
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	21	5.83
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	3	5.83
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	3	5.83
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	10	5.83
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	24	5.82
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	24	5.82
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	10	5.82
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	13	5.82
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	12	5.82
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	13	5.82
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	16	5.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	19	5.82
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	19	5.82
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	19	5.82
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	5	5.82
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	6	5.82
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	5	5.81
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	5	5.81
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	5	5.81
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	5	5.81
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	5	5.81
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	5	5.81
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	14	5.81
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	14	5.81
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	14	5.81
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	14	5.81
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	14	5.81
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	14	5.81
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	24	5.81
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	8	5.81
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	20	5.81
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	23	5.81
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	22	5.81
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	7	5.81
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	7	5.81
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	7	5.81
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	17	5.81
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	17	5.81
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	17	5.81
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	19	5.81
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	19	5.81
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	19	5.81
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	13	5.8
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	6	5.8
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	20	5.8
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	20	5.8
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	20	5.8
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	13	5.8
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	3	5.8
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	3	5.8
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	3	5.8
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	5	5.8
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	5	5.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	5	5.8
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	13	5.8
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	10	5.8
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	10	5.8
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	14	5.79
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	20	5.79
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	20	5.79
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	4	5.79
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	6	5.79
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	15	5.79
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	9	5.79
(1,695)	1:27:A:PRO:HG3	1:23:A:PRO:HA	20	5.79
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	20	5.79
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	20	5.79
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	20	5.79
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	3	5.79
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	3	5.79
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	3	5.79
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	11	5.79
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	11	5.79
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	11	5.79
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	4	5.79
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	9	5.78
(1,1749)	1:14:A:ILE:HD12	1:7:A:GLU:HG3	16	5.78
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG22	4	5.78
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	7	5.78
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	7	5.78
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	19	5.78
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	3	5.78
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	3	5.78
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	3	5.78
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	3	5.78
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	3	5.78
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	3	5.78
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	11	5.78
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	11	5.78
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	11	5.78
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	11	5.78
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	11	5.78
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	11	5.78
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	5	5.78
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	19	5.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	7	5.78
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	17	5.78
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	19	5.78
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	21	5.78
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	25	5.78
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	10	5.78
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	10	5.78
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	10	5.78
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	23	5.78
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	23	5.78
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	23	5.78
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	4	5.78
(1,1717)	1:49:A:LEU:HD13	1:46:A:ASP:HB2	16	5.77
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	22	5.77
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	22	5.77
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	4	5.77
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	19	5.77
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	24	5.77
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	5	5.77
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	25	5.77
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	25	5.77
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	25	5.77
(1,575)	1:9:A:ILE:HD11	1:39:A:ASP:HB3	16	5.77
(1,575)	1:9:A:ILE:HD12	1:39:A:ASP:HB3	16	5.77
(1,575)	1:9:A:ILE:HD13	1:39:A:ASP:HB3	16	5.77
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	24	5.77
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	24	5.77
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	24	5.77
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	23	5.77
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	23	5.77
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	2	5.76
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	18	5.76
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	20	5.76
(1,1718)	1:49:A:LEU:HD23	1:46:A:ASP:HB3	5	5.76
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	4	5.76
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	8	5.76
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD11	22	5.76
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD12	22	5.76
(1,985)	1:21:A:ASP:HA	1:14:A:ILE:HD13	22	5.76
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	19	5.76
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	19	5.76
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	19	5.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	19	5.76
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	13	5.76
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	13	5.76
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	13	5.76
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	16	5.76
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	14	5.75
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	1	5.75
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	22	5.75
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	22	5.75
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	22	5.75
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	22	5.75
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	22	5.75
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	22	5.75
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	1	5.75
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	8	5.75
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	10	5.75
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	22	5.75
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	6	5.75
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	14	5.75
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	14	5.75
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	14	5.75
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	2	5.75
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	7	5.75
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	7	5.75
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	19	5.74
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	1	5.74
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	10	5.74
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	18	5.74
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	18	5.74
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	21	5.74
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	21	5.74
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	11	5.74
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	18	5.74
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	12	5.74
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	21	5.74
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	21	5.74
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	21	5.74
(1,567)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	22	5.74
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	3	5.74
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	16	5.74
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	16	5.74
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	3	5.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	18	5.74
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	8	5.73
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	25	5.73
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	25	5.73
(1,1540)	1:13:A:ILE:HD11	1:39:A:ASP:HB2	13	5.73
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	22	5.73
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	6	5.73
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	6	5.73
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	5	5.73
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	6	5.72
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	11	5.72
(1,1527)	1:68:A:ALA:HB3	1:65:A:PHE:HA	20	5.72
(1,1469)	1:51:A:ALA:HB3	1:73:A:ASP:H	14	5.72
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	3	5.72
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	3	5.72
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB2	2	5.72
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	16	5.72
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	7	5.72
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	5	5.72
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	1	5.72
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	15	5.72
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	24	5.72
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	24	5.72
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	24	5.72
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	10	5.71
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	14	5.71
(1,1624)	1:51:A:ALA:HB2	1:72:A:ALA:HA	19	5.71
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	18	5.71
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	7	5.71
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	11	5.71
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	12	5.71
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	9	5.71
(1,688)	1:60:A:ALA:HB3	1:57:A:VAL:HA	3	5.71
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	25	5.71
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	2	5.71
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	2	5.71
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	25	5.71
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	25	5.71
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	1	5.7
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	21	5.7
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	12	5.7
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	24	5.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:76:A:VAL:HG11	1:69:A:GLU:HB2	2	5.7
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	3	5.7
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	22	5.7
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	11	5.7
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	2	5.7
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	2	5.7
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	23	5.7
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	23	5.7
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	15	5.7
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	23	5.7
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	15	5.7
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	19	5.7
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	19	5.7
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	19	5.7
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	12	5.69
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	16	5.69
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	19	5.69
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	24	5.69
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	23	5.69
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	23	5.69
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	23	5.69
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	23	5.69
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	18	5.69
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	23	5.69
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	19	5.69
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	4	5.68
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	15	5.68
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	17	5.68
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	24	5.68
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	2	5.68
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB2	19	5.68
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	10	5.68
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	8	5.68
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	8	5.68
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	11	5.68
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	11	5.68
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	10	5.68
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	17	5.68
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	21	5.68
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	24	5.68
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	6	5.68
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	4	5.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	2	5.68
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	2	5.68
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	2	5.68
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	10	5.68
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	10	5.68
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	10	5.68
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	3	5.67
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	5	5.67
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	23	5.67
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	7	5.67
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	11	5.67
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	11	5.67
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	3	5.67
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	3	5.67
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	3	5.67
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	3	5.67
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	3	5.67
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	3	5.67
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	19	5.67
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	19	5.67
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	19	5.67
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA2	6	5.67
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA3	6	5.67
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	13	5.67
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	13	5.67
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	24	5.67
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	24	5.67
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	12	5.67
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	17	5.67
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	17	5.67
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	3	5.67
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	6	5.67
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	9	5.67
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	13	5.67
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	14	5.67
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	1	5.67
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	5	5.67
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	4	5.67
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	4	5.67
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	11	5.66
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	23	5.66
(1,1527)	1:68:A:ALA:HB3	1:65:A:PHE:HA	13	5.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	2	5.66
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	14	5.66
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	14	5.66
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	23	5.66
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	17	5.66
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	17	5.66
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	17	5.66
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	9	5.66
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	20	5.66
(1,1750)	1:49:A:LEU:HA	1:31:A:MET:HE2	4	5.65
(1,1749)	1:14:A:ILE:HD13	1:7:A:GLU:HG3	12	5.65
(1,1718)	1:49:A:LEU:HD22	1:46:A:ASP:HB3	6	5.65
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	4	5.65
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	8	5.65
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	18	5.65
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	25	5.65
(1,743)	1:26:A:SER:HB3	1:21:A:ASP:HA	24	5.65
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	3	5.65
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	17	5.65
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	24	5.65
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	7	5.64
(1,1527)	1:68:A:ALA:HB1	1:65:A:PHE:HA	2	5.64
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	13	5.64
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	13	5.64
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	13	5.64
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	17	5.64
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	17	5.64
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	3	5.64
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	10	5.64
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	10	5.64
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	9	5.64
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	9	5.64
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	9	5.64
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	9	5.64
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	9	5.64
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	9	5.64
(1,576)	1:9:A:ILE:HD11	1:39:A:ASP:HB2	21	5.64
(1,576)	1:9:A:ILE:HD12	1:39:A:ASP:HB2	21	5.64
(1,576)	1:9:A:ILE:HD13	1:39:A:ASP:HB2	21	5.64
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	1	5.64
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	1	5.64
(1,145)	1:44:A:SER:HB2	1:41:A:THR:H	25	5.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:44:A:SER:HB3	1:41:A:THR:H	25	5.64
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	3	5.64
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	22	5.64
(1,1537)	1:76:A:VAL:HG12	1:69:A:GLU:HB2	9	5.63
(1,1537)	1:76:A:VAL:HG13	1:69:A:GLU:HB2	13	5.63
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	21	5.63
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	21	5.63
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	7	5.63
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	13	5.63
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	13	5.63
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	13	5.63
(3,37)	1:68:A:ALA:N	1:64:A:PRO:O	22	5.62
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	22	5.62
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	10	5.62
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	10	5.62
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	15	5.62
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	15	5.62
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	19	5.62
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	19	5.62
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	9	5.62
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	9	5.62
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	10	5.62
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	10	5.62
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	10	5.62
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	10	5.62
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	10	5.62
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	10	5.62
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	22	5.62
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	16	5.62
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	16	5.62
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	16	5.62
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	12	5.61
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	6	5.61
(1,1527)	1:68:A:ALA:HB3	1:65:A:PHE:HA	9	5.61
(1,1527)	1:68:A:ALA:HB3	1:65:A:PHE:HA	16	5.61
(1,1527)	1:68:A:ALA:HB1	1:65:A:PHE:HA	25	5.61
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	25	5.61
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	25	5.61
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	25	5.61
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	25	5.61
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	25	5.61
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	25	5.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	14	5.61
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	1	5.61
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	1	5.61
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	9	5.61
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	9	5.61
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	25	5.61
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	25	5.61
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	5	5.61
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	17	5.61
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	13	5.61
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	13	5.61
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	2	5.61
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	2	5.61
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	2	5.61
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	2	5.61
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	2	5.61
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	2	5.61
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	22	5.61
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	8	5.61
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	1	5.61
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	1	5.61
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	1	5.61
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	1	5.61
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	4	5.6
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	4	5.6
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	4	5.6
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	9	5.6
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	9	5.6
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	9	5.6
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	10	5.6
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	8	5.6
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	14	5.6
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	7	5.6
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB2	19	5.6
(1,897)	1:78:A:LYS:HB2	1:73:A:ASP:HB3	19	5.6
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA2	20	5.6
(1,837)	1:22:A:PHE:HB3	1:19:A:GLY:HA3	20	5.6
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	7	5.6
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	25	5.6
(1,670)	1:9:A:ILE:HD11	1:40:A:THR:HA	12	5.6
(1,670)	1:9:A:ILE:HD12	1:40:A:THR:HA	12	5.6
(1,670)	1:9:A:ILE:HD13	1:40:A:THR:HA	12	5.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	4	5.6
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	4	5.6
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	15	5.6
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	18	5.6
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	2	5.59
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	13	5.59
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	15	5.59
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	18	5.59
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	14	5.59
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	14	5.59
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	23	5.59
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	23	5.59
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	1	5.59
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	13	5.59
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	18	5.59
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	20	5.59
(1,567)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	15	5.59
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	23	5.59
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	25	5.59
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	9	5.58
(1,1596)	1:69:A:GLU:HB3	1:11:A:GLY:HA2	13	5.58
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	20	5.58
(1,1527)	1:68:A:ALA:HB1	1:65:A:PHE:HA	18	5.58
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	17	5.58
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	17	5.58
(1,1047)	1:9:A:ILE:HG12	1:46:A:ASP:HB3	18	5.58
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	16	5.58
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	10	5.58
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	10	5.58
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	12	5.58
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	12	5.58
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	18	5.58
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	18	5.58
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	22	5.58
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	22	5.58
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	21	5.58
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	24	5.58
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	18	5.58
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	22	5.58
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	20	5.58
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	20	5.58
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	20	5.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	2	5.58
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	21	5.58
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	18	5.57
(1,1527)	1:68:A:ALA:HB3	1:65:A:PHE:HA	1	5.57
(1,1527)	1:68:A:ALA:HB3	1:65:A:PHE:HA	21	5.57
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	23	5.57
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	2	5.57
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	9	5.57
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	12	5.57
(1,802)	1:12:A:GLN:HB2	1:6:A:LYS:HA	3	5.57
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	12	5.57
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	23	5.57
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB1	6	5.57
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB2	6	5.57
(1,536)	1:48:A:GLU:HA	1:51:A:ALA:HB3	6	5.57
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	1	5.57
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	8	5.57
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	9	5.56
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	12	5.56
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	12	5.56
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	11	5.56
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	11	5.56
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	11	5.56
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	22	5.56
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	24	5.56
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	24	5.56
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	1	5.56
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	15	5.56
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	15	5.55
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	21	5.55
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	17	5.55
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	21	5.55
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	21	5.55
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	8	5.55
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	10	5.55
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	15	5.55
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	23	5.55
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	25	5.55
(1,812)	1:27:A:PRO:HB3	1:24:A:ILE:HA	20	5.55
(1,567)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	25	5.55
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	7	5.55
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	1	5.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	9	5.54
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	15	5.54
(1,744)	1:27:A:PRO:HB3	1:49:A:LEU:HB2	16	5.54
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	13	5.54
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	13	5.54
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	13	5.54
(1,567)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	21	5.54
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	9	5.54
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	9	5.54
(1,1751)	1:49:A:LEU:HB3	1:31:A:MET:HE2	8	5.53
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	3	5.53
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	4	5.53
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	8	5.53
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	9	5.53
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	7	5.53
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	20	5.53
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	20	5.53
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	20	5.53
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	20	5.53
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	20	5.53
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	20	5.53
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	4	5.53
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	5	5.53
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	23	5.53
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	23	5.53
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	23	5.53
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	23	5.53
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	23	5.53
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	23	5.53
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	19	5.53
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	21	5.53
(1,567)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	17	5.53
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	7	5.53
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	1	5.53
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	2	5.53
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	23	5.53
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	12	5.53
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	12	5.53
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	22	5.53
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	22	5.53
(1,1527)	1:68:A:ALA:HB1	1:65:A:PHE:HA	10	5.52
(1,1527)	1:68:A:ALA:HB1	1:65:A:PHE:HA	11	5.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	24	5.52
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	24	5.52
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	12	5.52
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	3	5.52
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	3	5.52
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	5	5.52
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	5	5.52
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	6	5.52
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	13	5.52
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	17	5.52
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	17	5.52
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	2	5.52
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	12	5.51
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	21	5.51
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	19	5.51
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	24	5.51
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	5	5.51
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	5	5.51
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	12	5.51
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	12	5.51
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	12	5.51
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	8	5.51
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	4	5.51
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	4	5.51
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	16	5.51
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	20	5.51
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	6	5.51
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	6	5.51
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	15	5.51
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	10	5.51
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	13	5.5
(1,1750)	1:49:A:LEU:HA	1:31:A:MET:HE2	6	5.5
(1,1527)	1:68:A:ALA:HB1	1:65:A:PHE:HA	19	5.5
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	18	5.5
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	20	5.5
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	20	5.5
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB2	16	5.5
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	4	5.5
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	1	5.5
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	1	5.5
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	1	5.5
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	1	5.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	1	5.5
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	1	5.5
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	14	5.5
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	14	5.5
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	8	5.49
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	8	5.49
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	8	5.49
(1,1527)	1:68:A:ALA:HB3	1:65:A:PHE:HA	3	5.49
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	23	5.49
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	6	5.49
(1,900)	1:17:A:LEU:HB2	1:26:A:SER:HB2	7	5.49
(1,900)	1:17:A:LEU:HB3	1:26:A:SER:HB2	7	5.49
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	14	5.49
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	14	5.49
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	14	5.49
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	16	5.49
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	24	5.49
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	3	5.48
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	2	5.48
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	14	5.48
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	14	5.48
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	14	5.48
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	1	5.48
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	25	5.48
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	11	5.48
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	23	5.48
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	23	5.48
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	5	5.47
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	23	5.47
(1,1749)	1:14:A:ILE:HD13	1:7:A:GLU:HG3	19	5.47
(1,1025)	1:81:A:LEU:HD11	1:78:A:LYS:HB3	22	5.47
(1,1025)	1:81:A:LEU:HD12	1:78:A:LYS:HB3	22	5.47
(1,1025)	1:81:A:LEU:HD13	1:78:A:LYS:HB3	22	5.47
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	18	5.47
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	14	5.47
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	7	5.47
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	7	5.47
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	21	5.47
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	21	5.47
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	14	5.47
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	20	5.47
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	11	5.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	11	5.47
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	11	5.47
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	18	5.46
(1,1540)	1:13:A:ILE:HD11	1:39:A:ASP:HB2	15	5.46
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	4	5.46
(1,1527)	1:68:A:ALA:HB2	1:65:A:PHE:HA	22	5.46
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	6	5.46
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	12	5.46
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	12	5.46
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	12	5.46
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	12	5.46
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	12	5.46
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	12	5.46
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	5	5.46
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	5	5.46
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	5	5.46
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	15	5.46
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	14	5.46
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	8	5.46
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	8	5.46
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	8	5.46
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	8	5.46
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	8	5.46
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	8	5.46
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	25	5.46
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	5	5.46
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	5	5.46
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	11	5.46
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	11	5.46
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	6	5.45
(1,1527)	1:68:A:ALA:HB3	1:65:A:PHE:HA	5	5.45
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	8	5.45
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	24	5.45
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	19	5.45
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	19	5.45
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	5	5.45
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	24	5.45
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	23	5.45
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	23	5.45
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	4	5.44
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	17	5.44
(1,1717)	1:81:A:LEU:HD12	1:46:A:ASP:HB3	9	5.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB3	15	5.44
(1,899)	1:29:A:GLU:HG2	1:26:A:SER:HB2	20	5.44
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	16	5.44
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	16	5.44
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	16	5.44
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	16	5.44
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	16	5.44
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	16	5.44
(1,741)	1:24:A:ILE:HG12	1:21:A:ASP:HA	10	5.44
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	20	5.44
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	20	5.44
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	20	5.44
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	14	5.44
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	18	5.44
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	24	5.44
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	16	5.43
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	17	5.43
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	17	5.43
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	17	5.43
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	22	5.43
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	22	5.43
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	13	5.43
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	4	5.43
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	4	5.43
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	7	5.42
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	1	5.42
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	1	5.42
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	1	5.42
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	11	5.42
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	11	5.42
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	11	5.42
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	11	5.42
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	18	5.42
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	16	5.42
(1,1750)	1:49:A:LEU:HA	1:31:A:MET:HE2	1	5.41
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	19	5.41
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	19	5.41
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	19	5.41
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	13	5.41
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	13	5.41
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	15	5.41
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	12	5.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	12	5.4
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	12	5.4
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	10	5.4
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	10	5.4
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	11	5.4
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	11	5.4
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	10	5.4
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	13	5.4
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	13	5.4
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	4	5.39
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	9	5.39
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	23	5.39
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	4	5.39
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	7	5.39
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	10	5.38
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	1	5.38
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	18	5.38
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	18	5.38
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	18	5.38
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	17	5.38
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	9	5.38
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	15	5.38
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	23	5.38
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	12	5.38
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	15	5.38
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	1	5.38
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	20	5.38
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	2	5.38
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	2	5.38
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	1	5.38
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	23	5.38
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	20	5.38
(1,1750)	1:49:A:LEU:HA	1:31:A:MET:HE2	14	5.37
(1,1718)	1:49:A:LEU:HD23	1:46:A:ASP:HB3	2	5.37
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	3	5.37
(1,1540)	1:13:A:ILE:HD11	1:39:A:ASP:HB2	10	5.37
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	10	5.37
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	10	5.37
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	16	5.37
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	16	5.37
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	21	5.37
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB2	10	5.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	20	5.37
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	15	5.37
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	15	5.37
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	15	5.37
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	15	5.37
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	15	5.37
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	15	5.37
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG2	16	5.37
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	10	5.37
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	15	5.37
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	19	5.37
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	21	5.37
(1,1750)	1:49:A:LEU:HA	1:31:A:MET:HE2	23	5.36
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	4	5.36
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	4	5.36
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	4	5.36
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD13	20	5.36
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	5	5.36
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	7	5.36
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	25	5.36
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	19	5.36
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	3	5.36
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	7	5.36
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	5	5.36
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	25	5.36
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	10	5.36
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	12	5.36
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	8	5.36
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	25	5.36
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	18	5.35
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	1	5.35
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	1	5.35
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	21	5.35
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	21	5.35
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	2	5.35
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	2	5.35
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	5	5.35
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	5	5.35
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	12	5.35
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	12	5.35
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	9	5.35
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	13	5.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	22	5.35
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	24	5.35
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	4	5.35
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	12	5.35
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	11	5.34
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	14	5.34
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	24	5.34
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	3	5.34
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	3	5.34
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	3	5.34
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	19	5.34
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	19	5.34
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	19	5.34
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	19	5.34
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	19	5.34
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	19	5.34
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	25	5.34
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	25	5.34
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	6	5.34
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	4	5.34
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	9	5.34
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	25	5.34
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	8	5.34
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	19	5.34
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	9	5.34
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	22	5.34
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	3	5.34
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	8	5.34
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	18	5.34
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	18	5.34
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	18	5.34
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	4	5.34
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	6	5.34
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	18	5.34
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	14	5.34
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	18	5.34
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	17	5.34
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	25	5.33
(1,1718)	1:49:A:LEU:HD23	1:46:A:ASP:HB3	23	5.33
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	24	5.33
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	24	5.33
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	24	5.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	19	5.33
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	19	5.33
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	7	5.33
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	7	5.33
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	7	5.33
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	3	5.33
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	6	5.33
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	24	5.33
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	24	5.33
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	24	5.33
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	24	5.33
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	24	5.33
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	24	5.33
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	5	5.33
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	6	5.33
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	1	5.33
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	2	5.33
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	23	5.33
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	14	5.33
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	14	5.33
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	6	5.33
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	11	5.33
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	6	5.33
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	22	5.33
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	14	5.33
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	18	5.33
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	18	5.33
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	2	5.32
(1,1790)	1:16:A:ALA:HB2	1:10:A:ARG:HB3	8	5.32
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	2	5.32
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	8	5.32
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	17	5.32
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	10	5.32
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	18	5.32
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	18	5.32
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	18	5.32
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	19	5.32
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	19	5.32
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	19	5.32
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	10	5.32
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	21	5.32
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	8	5.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	1	5.32
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	6	5.32
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	7	5.32
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	15	5.32
(1,1790)	1:16:A:ALA:HB2	1:10:A:ARG:HB3	3	5.31
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	5	5.31
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	25	5.31
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	14	5.31
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	14	5.31
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	14	5.31
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	4	5.31
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	17	5.31
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	17	5.31
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	17	5.31
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	18	5.31
(1,664)	1:48:A:GLU:HB2	1:40:A:THR:HA	6	5.31
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	17	5.31
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	18	5.31
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	19	5.31
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	8	5.3
(1,1751)	1:49:A:LEU:HB3	1:31:A:MET:HE2	15	5.3
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	12	5.3
(1,1552)	1:31:A:MET:HE2	1:36:A:ASN:HB3	16	5.3
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	18	5.3
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	1	5.3
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	2	5.3
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	13	5.3
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	21	5.3
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	24	5.3
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	15	5.3
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	15	5.3
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	15	5.3
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	24	5.3
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	24	5.3
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	24	5.3
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	23	5.3
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	11	5.3
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	21	5.3
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	17	5.3
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	17	5.3
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	11	5.3
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	1	5.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:16:A:ALA:HB3	1:10:A:ARG:HB3	11	5.29
(1,1750)	1:49:A:LEU:HA	1:31:A:MET:HE2	24	5.29
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	22	5.29
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	22	5.29
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	22	5.29
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	11	5.29
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	21	5.29
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	17	5.29
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	17	5.29
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	2	5.29
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	2	5.29
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	2	5.29
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	6	5.29
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	6	5.29
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	6	5.29
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	12	5.29
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	12	5.29
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	12	5.29
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	13	5.29
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	13	5.29
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	13	5.29
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	3	5.29
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	20	5.29
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	10	5.29
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	7	5.29
(1,602)	1:48:A:GLU:HB2	1:36:A:ASN:HB3	19	5.29
(1,602)	1:48:A:GLU:HB3	1:36:A:ASN:HB3	19	5.29
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	22	5.28
(1,1790)	1:16:A:ALA:HB2	1:10:A:ARG:HB3	10	5.28
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	11	5.28
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	23	5.28
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	8	5.28
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	8	5.28
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	8	5.28
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	8	5.28
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	8	5.28
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	8	5.28
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	9	5.28
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	9	5.28
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	14	5.28
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	14	5.28
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	18	5.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	18	5.28
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	18	5.28
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	18	5.28
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	18	5.28
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	18	5.28
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	20	5.28
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	20	5.28
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	20	5.28
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	20	5.28
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	20	5.28
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	20	5.28
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	5	5.28
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	5	5.28
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	5	5.28
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	8	5.28
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	8	5.28
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	8	5.28
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	9	5.28
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	9	5.28
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	9	5.28
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	7	5.28
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	21	5.28
(1,567)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	11	5.28
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	21	5.28
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	24	5.28
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	14	5.27
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	23	5.27
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	23	5.27
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	23	5.27
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	22	5.27
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD11	13	5.27
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD12	13	5.27
(1,1260)	1:48:A:GLU:HB2	1:34:A:LEU:HD13	13	5.27
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD11	13	5.27
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD12	13	5.27
(1,1260)	1:48:A:GLU:HB3	1:34:A:LEU:HD13	13	5.27
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	4	5.27
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	4	5.27
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	10	5.27
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	10	5.27
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	10	5.27
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	14	5.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	24	5.27
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	11	5.27
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	11	5.27
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	6	5.27
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	13	5.27
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	1	5.27
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	1	5.27
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	11	5.27
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	12	5.27
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	23	5.27
(1,1790)	1:16:A:ALA:HB3	1:10:A:ARG:HB3	5	5.26
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	7	5.26
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	16	5.26
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	13	5.26
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	13	5.26
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	2	5.26
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	10	5.26
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	1	5.26
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	1	5.26
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	1	5.26
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	11	5.26
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	11	5.26
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	11	5.26
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	14	5.26
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	14	5.26
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	14	5.26
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	2	5.26
(1,688)	1:60:A:ALA:HB3	1:57:A:VAL:HA	25	5.26
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	11	5.26
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	12	5.26
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	22	5.26
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	23	5.26
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	5	5.26
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	10	5.26
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	4	5.25
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	22	5.25
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	12	5.25
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	5	5.25
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	5	5.25
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	5	5.25
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	14	5.25
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	14	5.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	16	5.25
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	25	5.25
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	13	5.25
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	13	5.25
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	13	5.25
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	13	5.25
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	13	5.25
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	13	5.25
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	21	5.25
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	21	5.25
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	21	5.25
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	25	5.25
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	25	5.25
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	25	5.25
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	13	5.25
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	8	5.25
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	18	5.25
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	22	5.25
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	23	5.25
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	9	5.25
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	6	5.25
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	10	5.25
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	24	5.25
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	17	5.25
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	8	5.25
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	8	5.25
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	21	5.25
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	21	5.25
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	10	5.24
(1,1566)	1:44:A:SER:HB2	1:41:A:THR:HA	16	5.24
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	7	5.24
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	7	5.24
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	24	5.24
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	24	5.24
(1,1096)	1:28:A:GLU:HG3	1:31:A:MET:HE2	16	5.24
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	22	5.24
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	23	5.24
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	15	5.24
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	21	5.23
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	17	5.23
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	17	5.23
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	25	5.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	25	5.23
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	25	5.23
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	13	5.23
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	9	5.23
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	23	5.23
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	23	5.23
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	23	5.23
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	9	5.23
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	14	5.23
(1,574)	1:9:A:ILE:HG21	1:39:A:ASP:HB3	16	5.23
(1,574)	1:9:A:ILE:HG22	1:39:A:ASP:HB3	16	5.23
(1,574)	1:9:A:ILE:HG23	1:39:A:ASP:HB3	16	5.23
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	18	5.23
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	13	5.23
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	19	5.23
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	22	5.23
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	20	5.23
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	20	5.23
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	17	5.22
(1,1790)	1:69:A:GLU:HB2	1:10:A:ARG:HB3	19	5.22
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	25	5.22
(1,1718)	1:49:A:LEU:HD23	1:46:A:ASP:HB3	16	5.22
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG23	23	5.22
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	4	5.22
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	4	5.22
(1,1105)	1:78:A:LYS:HG3	1:75:A:ILE:HD12	17	5.22
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	9	5.22
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	21	5.22
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	12	5.22
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	12	5.22
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	1	5.22
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	8	5.22
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	20	5.22
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	3	5.22
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	19	5.22
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	14	5.22
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	14	5.22
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	21	5.21
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	21	5.21
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	18	5.21
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	20	5.21
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	8	5.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	20	5.21
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	13	5.21
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	13	5.21
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	5	5.21
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	5	5.21
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	24	5.21
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	24	5.21
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	16	5.21
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	16	5.21
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	12	5.21
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	12	5.21
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG3	22	5.21
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	3	5.21
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	3	5.21
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	3	5.21
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	7	5.21
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	7	5.21
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	7	5.21
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	3	5.21
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	18	5.21
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	21	5.21
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	25	5.21
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	12	5.21
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	3	5.21
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	3	5.21
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	15	5.21
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	15	5.21
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	1	5.2
(1,1790)	1:69:A:GLU:HB2	1:10:A:ARG:HB3	12	5.2
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	20	5.2
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	25	5.2
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	15	5.2
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	3	5.2
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	3	5.2
(1,1059)	1:35:A:PRO:HD3	1:31:A:MET:HB3	17	5.2
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	21	5.2
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	1	5.2
(1,633)	1:67:A:SER:H	1:63:A:PHE:HA	1	5.2
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	9	5.2
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	24	5.2
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	25	5.2
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	19	5.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	19	5.2
(1,1718)	1:49:A:LEU:HD23	1:46:A:ASP:HB3	20	5.19
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	18	5.19
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	18	5.19
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	15	5.19
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	15	5.19
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	15	5.19
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	22	5.19
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	22	5.19
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB3	17	5.19
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	4	5.19
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	4	5.19
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	4	5.19
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	14	5.19
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	15	5.19
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB3	20	5.18
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	11	5.18
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	25	5.18
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	14	5.18
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	1	5.18
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	1	5.18
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	5	5.18
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	5	5.18
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	15	5.18
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	15	5.18
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	8	5.18
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	7	5.18
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	17	5.18
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	15	5.18
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	23	5.18
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	23	5.18
(1,144)	1:44:A:SER:HB3	1:41:A:THR:H	17	5.18
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	10	5.17
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	8	5.17
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	17	5.17
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	20	5.17
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	24	5.17
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	24	5.17
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	24	5.17
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	4	5.17
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	4	5.17
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	6	5.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	6	5.17
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	17	5.17
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	17	5.17
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	17	5.17
(1,688)	1:60:A:ALA:HB3	1:57:A:VAL:HA	20	5.17
(1,567)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	5	5.17
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	2	5.17
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	24	5.17
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	24	5.17
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	17	5.17
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	2	5.16
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	8	5.16
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	7	5.16
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	8	5.16
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	20	5.15
(1,1718)	1:49:A:LEU:HD22	1:46:A:ASP:HB3	22	5.15
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	12	5.15
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	12	5.15
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	16	5.15
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	16	5.15
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB2	3	5.15
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	13	5.15
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	1	5.15
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	1	5.15
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	2	5.15
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	2	5.15
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	21	5.15
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	21	5.15
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	21	5.15
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	21	5.15
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	21	5.15
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	21	5.15
(1,665)	1:48:A:GLU:HB2	1:45:A:GLY:HA2	6	5.15
(1,665)	1:48:A:GLU:HB2	1:45:A:GLY:HA3	6	5.15
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	17	5.14
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	16	5.14
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	7	5.14
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	8	5.14
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	8	5.14
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	23	5.14
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	23	5.14
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	19	5.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	6	5.14
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	6	5.14
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	6	5.14
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	6	5.14
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	6	5.14
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	6	5.14
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG2	25	5.14
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	22	5.14
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	22	5.14
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	22	5.14
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	17	5.14
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	5	5.14
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	11	5.14
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	4	5.14
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	13	5.14
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	13	5.14
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	10	5.13
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	15	5.13
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	22	5.13
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG21	3	5.13
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	6	5.13
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	7	5.13
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	11	5.13
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	20	5.13
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG23	2	5.13
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	6	5.13
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	6	5.13
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	15	5.13
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	2	5.13
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	10	5.13
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	6	5.13
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	7	5.13
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	11	5.13
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	20	5.13
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	1	5.13
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	9	5.13
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	18	5.12
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	15	5.12
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	23	5.12
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	24	5.12
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG22	7	5.12
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	14	5.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	4	5.12
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	4	5.12
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	4	5.12
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	23	5.12
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	22	5.12
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	22	5.12
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	22	5.12
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	20	5.12
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	20	5.12
(1,882)	1:25:A:ASN:HB2	1:28:A:GLU:HG2	19	5.12
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	7	5.12
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	13	5.12
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	4	5.12
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	16	5.12
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	14	5.12
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	14	5.12
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	16	5.12
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	24	5.12
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	10	5.12
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	16	5.12
(1,1790)	1:16:A:ALA:HB2	1:10:A:ARG:HB3	15	5.11
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	12	5.11
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	21	5.11
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	3	5.11
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	1	5.11
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	2	5.11
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	17	5.11
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	17	5.11
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	17	5.11
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	17	5.11
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	17	5.11
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	17	5.11
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	2	5.11
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	17	5.11
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	4	5.11
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	1	5.11
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	1	5.11
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	12	5.11
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	21	5.11
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	6	5.11
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	6	5.11
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	6	5.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	17	5.1
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	8	5.1
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	21	5.1
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	17	5.1
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	19	5.1
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	20	5.1
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	6	5.1
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	7	5.1
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	25	5.1
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	9	5.1
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	9	5.1
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	17	5.1
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	3	5.1
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	3	5.1
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	15	5.1
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	16	5.1
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	7	5.1
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	1	5.09
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	4	5.09
(1,1790)	1:69:A:GLU:HB2	1:10:A:ARG:HB3	9	5.09
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	9	5.09
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	15	5.09
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	2	5.09
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	19	5.09
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	5	5.09
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB2	22	5.09
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	13	5.09
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	13	5.09
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	13	5.09
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG2	13	5.09
(1,739)	1:30:A:LEU:HD21	1:21:A:ASP:HA	16	5.09
(1,739)	1:30:A:LEU:HD22	1:21:A:ASP:HA	16	5.09
(1,739)	1:30:A:LEU:HD23	1:21:A:ASP:HA	16	5.09
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	25	5.09
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	12	5.09
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	15	5.09
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	25	5.09
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	6	5.08
(1,1790)	1:16:A:ALA:HB2	1:10:A:ARG:HB3	17	5.08
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	10	5.08
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	24	5.08
(1,1540)	1:13:A:ILE:HD11	1:39:A:ASP:HB2	22	5.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	5	5.08
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	5	5.08
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	14	5.08
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	14	5.08
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	13	5.08
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	13	5.08
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	7	5.08
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	7	5.08
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB3	9	5.08
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	5	5.08
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	16	5.08
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	10	5.08
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	10	5.08
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	8	5.08
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	8	5.08
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	8	5.08
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	11	5.08
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	8	5.08
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	20	5.08
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	25	5.08
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	11	5.07
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	16	5.07
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	19	5.07
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	19	5.07
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	9	5.07
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	9	5.07
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	9	5.07
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	10	5.07
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	10	5.07
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	10	5.07
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	19	5.07
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	19	5.07
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	19	5.07
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	9	5.07
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	5	5.07
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG3	6	5.07
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	24	5.07
(1,567)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	10	5.07
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	7	5.07
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	16	5.07
(1,140)	1:44:A:SER:H	1:41:A:THR:H	6	5.07
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	17	5.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	17	5.07
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB1	25	5.06
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	21	5.06
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	25	5.06
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	8	5.06
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	13	5.06
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	13	5.06
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	13	5.06
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	22	5.06
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	22	5.06
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	22	5.06
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	8	5.06
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	8	5.06
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA2	13	5.06
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA3	13	5.06
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	3	5.06
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	6	5.06
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	6	5.06
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	6	5.06
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	4	5.06
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	14	5.06
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	12	5.06
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	25	5.06
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	22	5.06
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	9	5.06
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	12	5.05
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	3	5.05
(1,1718)	1:49:A:LEU:HD23	1:46:A:ASP:HB3	11	5.05
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	24	5.05
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	13	5.05
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	13	5.05
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	13	5.05
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	13	5.05
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	13	5.05
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	13	5.05
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	13	5.05
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	13	5.05
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	13	5.05
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	10	5.05
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	10	5.05
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	18	5.05
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	18	5.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	4	5.05
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	4	5.05
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	11	5.05
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	11	5.05
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	2	5.05
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	2	5.05
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	2	5.05
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	16	5.05
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	16	5.05
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	2	5.05
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	1	5.05
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	5	5.05
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	17	5.05
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	5	5.05
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	6	5.05
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	6	5.05
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	24	5.05
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	24	5.05
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	17	5.04
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB1	19	5.04
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	1	5.04
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	12	5.04
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	19	5.04
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	21	5.04
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	11	5.04
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	1	5.04
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	1	5.04
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	25	5.04
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	25	5.04
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	15	5.04
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	15	5.04
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	7	5.04
(1,688)	1:60:A:ALA:HB3	1:57:A:VAL:HA	10	5.04
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	19	5.04
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	3	5.04
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	15	5.04
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	7	5.03
(1,1790)	1:69:A:GLU:HB2	1:10:A:ARG:HB3	2	5.03
(1,1790)	1:69:A:GLU:HB2	1:10:A:ARG:HB3	13	5.03
(1,1790)	1:16:A:ALA:HB1	1:10:A:ARG:HB3	23	5.03
(1,1718)	1:49:A:LEU:HD21	1:46:A:ASP:HB3	9	5.03
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	17	5.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	8	5.03
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	8	5.03
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	8	5.03
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	25	5.03
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	25	5.03
(1,1047)	1:9:A:ILE:HG13	1:46:A:ASP:HB2	20	5.03
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	17	5.03
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	16	5.03
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	16	5.03
(1,99)	1:40:A:THR:HA	1:44:A:SER:H	12	5.03
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	1	5.03
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	1	5.03
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	13	5.02
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	25	5.02
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	22	5.02
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	20	5.02
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	20	5.02
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	6	5.02
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	6	5.02
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	10	5.02
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	10	5.02
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	21	5.02
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	21	5.02
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	7	5.02
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	7	5.02
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	7	5.02
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	24	5.02
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	9	5.02
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	9	5.02
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	9	5.02
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	1	5.02
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	4	5.02
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	6	5.02
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	6	5.02
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	17	5.02
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	22	5.02
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	22	5.02
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	3	5.02
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	16	5.02
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	16	5.02
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	2	5.01
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	6	5.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:69:A:GLU:HB2	1:10:A:ARG:HB3	18	5.01
(1,1718)	1:49:A:LEU:HD22	1:46:A:ASP:HB3	19	5.01
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	22	5.01
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	13	5.01
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	14	5.01
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	3	5.01
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	3	5.01
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	3	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	14	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	14	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	14	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	16	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	16	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	16	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	20	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	20	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	20	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	21	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	21	5.01
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	21	5.01
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	6	5.01
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	6	5.01
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	17	5.01
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	17	5.01
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	21	5.01
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	21	5.01
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	13	5.01
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	20	5.01
(1,794)	1:14:A:ILE:HG13	1:66:A:LYS:HG2	21	5.01
(1,737)	1:13:A:ILE:HD11	1:7:A:GLU:HA	24	5.01
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	13	5.01
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	14	5.01
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	7	5.01
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	7	5.01
(1,1790)	1:69:A:GLU:HB2	1:10:A:ARG:HB3	16	5.0
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB2	5	5.0
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	15	5.0
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	23	5.0
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	10	5.0
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	14	5.0
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	18	5.0
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	18	5.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	1	5.0
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	1	5.0
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	14	5.0
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	14	5.0
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	1	5.0
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	1	5.0
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	1	5.0
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG3	9	5.0
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	23	5.0
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	4	5.0
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	19	5.0
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	6	5.0
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	10	5.0
(1,218)	1:62:A:ASP:HB3	1:68:A:ALA:H	2	5.0
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	14	4.99
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	13	4.99
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	19	4.99
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	19	4.99
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	24	4.99
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	24	4.99
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	8	4.99
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	15	4.99
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	18	4.99
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	3	4.99
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	10	4.98
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	12	4.98
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	1	4.98
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	9	4.98
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	19	4.98
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	6	4.98
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	6	4.98
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	6	4.98
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	6	4.98
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	6	4.98
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	6	4.98
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	6	4.98
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	6	4.98
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	6	4.98
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	21	4.98
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	21	4.98
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	3	4.98
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	3	4.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	3	4.98
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	25	4.98
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	25	4.98
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	25	4.98
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	25	4.98
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	25	4.98
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	2	4.98
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	2	4.98
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	13	4.98
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	12	4.98
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	9	4.98
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	19	4.98
(1,324)	1:62:A:ASP:HB2	1:56:A:GLN:H	16	4.98
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	4	4.97
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB1	11	4.97
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	17	4.97
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	23	4.97
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	25	4.97
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	2	4.97
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	2	4.97
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	12	4.97
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	12	4.97
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	12	4.97
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	12	4.97
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	12	4.97
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	12	4.97
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	12	4.97
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	12	4.97
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	12	4.97
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	4	4.97
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	4	4.97
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	22	4.97
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	7	4.97
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	7	4.97
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	14	4.97
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	23	4.97
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	7	4.97
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	6	4.97
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	6	4.97
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	6	4.97
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	24	4.96
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	6	4.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	4	4.96
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	4	4.96
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	4	4.96
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	23	4.96
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	23	4.96
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	13	4.96
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	13	4.96
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	24	4.96
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	24	4.96
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	21	4.96
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	4	4.96
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	12	4.95
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	5	4.95
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	2	4.95
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	2	4.95
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	7	4.95
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	7	4.95
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	15	4.95
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	15	4.95
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	15	4.95
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	17	4.95
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	17	4.95
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	17	4.95
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	18	4.95
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	18	4.95
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	18	4.95
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	7	4.95
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	6	4.95
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	24	4.95
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	5	4.95
(1,74)	1:37:A:GLY:HA2	1:41:A:THR:H	2	4.95
(1,74)	1:37:A:GLY:HA3	1:41:A:THR:H	2	4.95
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	21	4.94
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	22	4.94
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	12	4.94
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	14	4.94
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	8	4.94
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	8	4.94
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	8	4.94
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	8	4.94
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	8	4.94
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	8	4.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	8	4.94
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	8	4.94
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	8	4.94
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	11	4.94
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	11	4.94
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	14	4.94
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	14	4.94
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	5	4.94
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	5	4.94
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	6	4.94
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	6	4.94
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	7	4.94
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	7	4.94
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	8	4.94
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	8	4.94
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	12	4.94
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	12	4.94
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	17	4.94
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	17	4.94
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	23	4.94
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	23	4.94
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	23	4.94
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	9	4.94
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	24	4.94
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	20	4.94
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	20	4.94
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	20	4.94
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	23	4.94
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	2	4.93
(1,1718)	1:49:A:LEU:HD23	1:46:A:ASP:HB3	17	4.93
(1,1718)	1:49:A:LEU:HD22	1:46:A:ASP:HB3	18	4.93
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	2	4.93
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	11	4.93
(1,1540)	1:13:A:ILE:HD12	1:39:A:ASP:HB2	25	4.93
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	16	4.93
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	16	4.93
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	16	4.93
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	16	4.93
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	16	4.93
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	22	4.93
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	22	4.93
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	2	4.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	2	4.93
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	2	4.93
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	12	4.93
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	12	4.93
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	6	4.93
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	25	4.93
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	20	4.93
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	20	4.93
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	20	4.93
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	16	4.93
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB3	21	4.92
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	23	4.92
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	7	4.92
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	24	4.92
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	4	4.92
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	24	4.92
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	18	4.92
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	18	4.92
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	9	4.92
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	9	4.92
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	13	4.92
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	13	4.92
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	16	4.92
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	16	4.92
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	18	4.92
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	18	4.92
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	10	4.92
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	10	4.92
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	10	4.92
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	20	4.92
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	2	4.92
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	14	4.92
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	4	4.91
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	18	4.91
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	24	4.91
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	24	4.91
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	24	4.91
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	24	4.91
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	24	4.91
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	24	4.91
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	24	4.91
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	24	4.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	24	4.91
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	15	4.91
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	15	4.91
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	25	4.91
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	25	4.91
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	6	4.91
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	6	4.91
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	6	4.91
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	11	4.91
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	11	4.91
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	11	4.91
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	12	4.91
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	12	4.91
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	12	4.91
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	19	4.91
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	19	4.91
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	9	4.91
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	9	4.91
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	6	4.91
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	13	4.91
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	13	4.91
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	19	4.91
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	18	4.91
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	10	4.9
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	16	4.9
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	11	4.9
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	11	4.9
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	3	4.9
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	3	4.9
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	11	4.9
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	11	4.9
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	19	4.89
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	5	4.89
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	5	4.89
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	5	4.89
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	2	4.89
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	3	4.89
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	7	4.89
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	3	4.89
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	3	4.89
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	4	4.89
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	4	4.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	4	4.89
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	1	4.89
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	5	4.89
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	15	4.89
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG21	6	4.88
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG21	11	4.88
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	5	4.88
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	19	4.88
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	22	4.88
(1,1624)	1:51:A:ALA:HB1	1:72:A:ALA:HA	12	4.88
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	3	4.88
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	3	4.88
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	3	4.88
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	3	4.88
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	3	4.88
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	3	4.88
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	3	4.88
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	3	4.88
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	3	4.88
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	7	4.88
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	7	4.88
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	10	4.88
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	10	4.88
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	25	4.88
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	25	4.88
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	1	4.88
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	1	4.88
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	4	4.88
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	5	4.88
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	9	4.88
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	13	4.88
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	19	4.88
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	17	4.88
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA2	24	4.88
(1,870)	1:10:A:ARG:HD2	1:4:A:GLY:HA3	24	4.88
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	7	4.88
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	13	4.88
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	12	4.88
(1,140)	1:44:A:SER:H	1:41:A:THR:H	13	4.88
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	2	4.87
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	21	4.87
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	9	4.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	4	4.87
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	14	4.87
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	14	4.87
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	21	4.87
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	21	4.87
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	10	4.87
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	10	4.87
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	23	4.87
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	20	4.87
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	10	4.87
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	20	4.87
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	1	4.87
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	17	4.87
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	6	4.87
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	16	4.87
(1,1797)	1:22:A:PHE:HE1	1:19:A:GLY:HA2	20	4.86
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	9	4.86
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	3	4.86
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	14	4.86
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	14	4.86
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	14	4.86
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	14	4.86
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	14	4.86
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	14	4.86
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	14	4.86
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	14	4.86
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	14	4.86
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	12	4.86
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	12	4.86
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD11	24	4.86
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD12	24	4.86
(1,1160)	1:66:A:LYS:HA	1:14:A:ILE:HD13	24	4.86
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	11	4.86
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	11	4.86
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	12	4.86
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	18	4.86
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	7	4.86
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	7	4.86
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	7	4.86
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	10	4.86
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	11	4.86
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	14	4.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	3	4.86
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	2	4.86
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	4	4.86
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	8	4.86
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	9	4.86
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	13	4.86
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	19	4.86
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	23	4.86
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	11	4.86
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	6	4.85
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	2	4.85
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	25	4.85
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	6	4.85
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	6	4.85
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	17	4.85
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	17	4.85
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	24	4.85
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	24	4.85
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	11	4.85
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	8	4.85
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	15	4.85
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	23	4.85
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	25	4.85
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	13	4.85
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	13	4.85
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	13	4.85
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	4	4.85
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	25	4.85
(1,688)	1:60:A:ALA:HB3	1:57:A:VAL:HA	6	4.85
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	11	4.85
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	23	4.85
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	13	4.85
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	10	4.85
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	11	4.85
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	14	4.85
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	24	4.85
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	10	4.85
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	15	4.84
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	20	4.84
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	25	4.84
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	17	4.84
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	22	4.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	22	4.84
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	8	4.84
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	8	4.84
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	14	4.84
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	14	4.84
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	1	4.84
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	6	4.84
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	24	4.84
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	1	4.84
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	3	4.84
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	12	4.84
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	15	4.84
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	16	4.84
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	21	4.84
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	23	4.84
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	24	4.84
(1,701)	1:48:A:GLU:H	1:44:A:SER:HA	5	4.84
(1,567)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	7	4.84
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	17	4.84
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	18	4.84
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	21	4.84
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	12	4.84
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	12	4.84
(1,140)	1:44:A:SER:H	1:41:A:THR:H	5	4.84
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	2	4.83
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	16	4.83
(1,1639)	1:67:A:SER:H	1:62:A:ASP:HB3	2	4.83
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	9	4.83
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	9	4.83
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	1	4.83
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB2	10	4.83
(1,1135)	1:24:A:ILE:HG12	1:21:A:ASP:HB3	10	4.83
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	3	4.83
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	19	4.83
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	10	4.83
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	11	4.83
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	16	4.83
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	1	4.83
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	1	4.83
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	1	4.83
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	6	4.83
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	6	4.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	6	4.83
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	4	4.83
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	5	4.83
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	6	4.83
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	8	4.83
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	9	4.83
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	13	4.83
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	17	4.83
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	19	4.83
(1,688)	1:60:A:ALA:HB3	1:57:A:VAL:HA	18	4.83
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	24	4.83
(1,567)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	16	4.83
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	19	4.83
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	19	4.83
(1,399)	1:62:A:ASP:HB3	1:67:A:SER:H	2	4.83
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	22	4.83
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	11	4.83
(1,1718)	1:49:A:LEU:HD23	1:46:A:ASP:HB3	15	4.82
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	3	4.82
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	16	4.82
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	8	4.82
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	8	4.82
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	18	4.82
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	18	4.82
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	20	4.82
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	22	4.82
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	18	4.82
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	20	4.82
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	22	4.82
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	2	4.82
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	2	4.82
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	6	4.82
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	6	4.82
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	3	4.82
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	7	4.82
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	25	4.82
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	23	4.82
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	23	4.81
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB3	3	4.81
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	4	4.81
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	12	4.81
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	14	4.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	1:27:A:PRO:HB2	1:25:A:ASN:HA	2	4.81
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	9	4.81
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	9	4.81
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	10	4.81
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	10	4.81
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	25	4.81
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	22	4.8
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	17	4.8
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG22	10	4.8
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	3	4.8
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD2	24	4.8
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	16	4.8
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	16	4.8
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	16	4.8
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	16	4.8
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	16	4.8
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	16	4.8
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	16	4.8
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	16	4.8
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	16	4.8
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	18	4.8
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	18	4.8
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	18	4.8
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	18	4.8
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	18	4.8
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	18	4.8
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	18	4.8
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	18	4.8
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	18	4.8
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	5	4.8
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	5	4.8
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	14	4.8
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	21	4.8
(1,879)	1:29:A:GLU:HG2	1:26:A:SER:HA	22	4.8
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	5	4.8
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	5	4.8
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	5	4.8
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	1	4.8
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	14	4.8
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	14	4.8
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	14	4.8
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	14	4.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	2	4.79
(1,1648)	1:68:A:ALA:HA	1:62:A:ASP:HB3	5	4.79
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	13	4.79
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	20	4.79
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	20	4.79
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	20	4.79
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	7	4.79
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	12	4.79
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	24	4.79
(1,688)	1:60:A:ALA:HB3	1:57:A:VAL:HA	4	4.79
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	3	4.79
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	4	4.79
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	4	4.79
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	21	4.79
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	21	4.79
(1,277)	1:27:A:PRO:HB3	1:25:A:ASN:H	20	4.79
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	7	4.79
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	21	4.79
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG3	23	4.78
(1,1349)	1:48:A:GLU:HB2	1:51:A:ALA:H	24	4.78
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	4	4.78
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	4	4.78
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	4	4.78
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	4	4.78
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	4	4.78
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	4	4.78
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	4	4.78
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	4	4.78
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	4	4.78
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	19	4.78
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	19	4.78
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	19	4.78
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	19	4.78
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	19	4.78
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	19	4.78
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	19	4.78
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	19	4.78
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	19	4.78
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	6	4.78
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	23	4.78
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	23	4.78
(1,898)	1:29:A:GLU:HG2	1:26:A:SER:HB3	14	4.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	6	4.78
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	10	4.78
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	10	4.78
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	10	4.78
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	8	4.78
(1,567)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	8	4.78
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	9	4.78
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	9	4.78
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	2	4.78
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	2	4.78
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	20	4.78
(1,140)	1:44:A:SER:H	1:41:A:THR:H	4	4.78
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG2	15	4.77
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG2	15	4.77
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	20	4.77
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	20	4.77
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	11	4.77
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	11	4.77
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	11	4.77
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	11	4.77
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	11	4.77
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	11	4.77
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	11	4.77
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	11	4.77
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	11	4.77
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	1	4.77
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	1	4.77
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	13	4.77
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	13	4.77
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	18	4.77
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	18	4.77
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	18	4.77
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	2	4.77
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	2	4.77
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	2	4.77
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	19	4.77
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	19	4.77
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	19	4.77
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	24	4.77
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	3	4.77
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	7	4.76
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB3	1	4.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	14	4.76
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	14	4.76
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	14	4.76
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	22	4.76
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	22	4.76
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	20	4.76
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	20	4.76
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	15	4.76
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	12	4.76
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	12	4.76
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	12	4.76
(1,758)	1:41:A:THR:HG21	1:38:A:PRO:HA	12	4.76
(1,758)	1:41:A:THR:HG22	1:38:A:PRO:HA	12	4.76
(1,758)	1:41:A:THR:HG23	1:38:A:PRO:HA	12	4.76
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	11	4.76
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	24	4.76
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	2	4.76
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	11	4.76
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	5	4.76
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	5	4.76
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	5	4.76
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	4	4.75
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	1	4.75
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	1	4.75
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	1	4.75
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	1	4.75
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	1	4.75
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	1	4.75
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	1	4.75
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	1	4.75
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	1	4.75
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	7	4.75
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	7	4.75
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	8	4.75
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	8	4.75
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	8	4.75
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	14	4.75
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	14	4.75
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	14	4.75
(1,567)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	4	4.75
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	4	4.75
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	4	4.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:51:A:ALA:H	1:48:A:GLU:HA	6	4.75
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	8	4.74
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG23	5	4.74
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	5	4.74
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	21	4.74
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	11	4.74
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA2	16	4.74
(1,870)	1:10:A:ARG:HD3	1:4:A:GLY:HA3	16	4.74
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	6	4.74
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	19	4.74
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	19	4.74
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	19	4.74
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	19	4.74
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	19	4.74
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	19	4.74
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	9	4.74
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	9	4.74
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	9	4.74
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	11	4.74
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	11	4.74
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	20	4.74
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	10	4.74
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	14	4.74
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB3	5	4.73
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB2	11	4.73
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	12	4.73
(1,1430)	1:14:A:ILE:HD13	1:66:A:LYS:H	13	4.73
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	10	4.73
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	10	4.73
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	10	4.73
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	10	4.73
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	10	4.73
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	10	4.73
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	10	4.73
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	10	4.73
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	10	4.73
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	22	4.73
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	24	4.73
(1,567)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	3	4.73
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	7	4.73
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	7	4.73
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	18	4.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	18	4.73
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	23	4.73
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	23	4.73
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	3	4.73
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	3	4.73
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	3	4.73
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	19	4.73
(1,140)	1:44:A:SER:H	1:41:A:THR:H	20	4.73
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	5	4.72
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	25	4.72
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD1	2	4.72
(1,1223)	1:61:A:ASP:HA	1:22:A:PHE:HD2	2	4.72
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	8	4.72
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	17	4.72
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	17	4.72
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	17	4.72
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	20	4.72
(1,142)	1:45:A:GLY:HA2	1:41:A:THR:H	17	4.72
(1,142)	1:45:A:GLY:HA3	1:41:A:THR:H	17	4.72
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	11	4.71
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB3	13	4.71
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	17	4.71
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	17	4.71
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	17	4.71
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	17	4.71
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	17	4.71
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	17	4.71
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	17	4.71
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	17	4.71
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	17	4.71
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	20	4.71
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	20	4.71
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	19	4.71
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	19	4.71
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	1	4.71
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	23	4.71
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	8	4.71
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	8	4.71
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	4	4.71
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	4	4.71
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	4	4.71
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	25	4.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	2	4.71
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	7	4.71
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	22	4.71
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	4	4.7
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	20	4.7
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	13	4.7
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	8	4.7
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG23	24	4.7
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	2	4.7
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	23	4.7
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	23	4.7
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	23	4.7
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	23	4.7
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	23	4.7
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	23	4.7
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	23	4.7
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	23	4.7
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	23	4.7
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	18	4.7
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	18	4.7
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	18	4.7
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	4	4.7
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	15	4.7
(1,140)	1:44:A:SER:H	1:41:A:THR:H	22	4.7
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	20	4.69
(1,1649)	1:68:A:ALA:HA	1:62:A:ASP:HB2	5	4.69
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	2	4.69
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	2	4.69
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	12	4.69
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	23	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	1	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	1	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	1	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	2	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	2	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	2	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	16	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	16	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	16	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	17	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	17	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	17	4.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	23	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	23	4.69
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	23	4.69
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	22	4.69
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	5	4.69
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	7	4.69
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	7	4.69
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	7	4.69
(1,140)	1:44:A:SER:H	1:41:A:THR:H	9	4.69
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG23	25	4.68
(1,1430)	1:14:A:ILE:HD12	1:66:A:LYS:H	19	4.68
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	23	4.68
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	23	4.68
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	10	4.68
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	9	4.68
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	9	4.68
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	9	4.68
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	3	4.68
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	3	4.68
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	3	4.68
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	16	4.68
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	16	4.68
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	16	4.68
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	15	4.68
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	7	4.68
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	7	4.68
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	15	4.68
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	23	4.68
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	23	4.68
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	23	4.68
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	10	4.67
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	1	4.67
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	3	4.67
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	21	4.67
(1,1430)	1:14:A:ILE:HD12	1:66:A:LYS:H	4	4.67
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	7	4.67
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	5	4.67
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	5	4.67
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	5	4.67
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	5	4.67
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	5	4.67
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	5	4.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	5	4.67
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	5	4.67
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	5	4.67
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	20	4.67
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	20	4.67
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	6	4.67
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	20	4.67
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	4	4.67
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	4	4.67
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	20	4.67
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	22	4.67
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	22	4.67
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	18	4.67
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	18	4.67
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	18	4.67
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	24	4.67
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	24	4.67
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	24	4.67
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	6	4.67
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	4	4.67
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	12	4.67
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	23	4.67
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	25	4.67
(1,140)	1:44:A:SER:H	1:41:A:THR:H	8	4.67
(1,140)	1:44:A:SER:H	1:41:A:THR:H	21	4.67
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	8	4.66
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	23	4.66
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	14	4.66
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	19	4.66
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	6	4.66
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	20	4.66
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	20	4.66
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	20	4.66
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	20	4.66
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	20	4.66
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	20	4.66
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	20	4.66
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	20	4.66
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	20	4.66
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	18	4.66
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	18	4.66
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	18	4.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	16	4.66
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	16	4.66
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	7	4.66
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	21	4.66
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	21	4.66
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	21	4.66
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	24	4.66
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	24	4.66
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	24	4.66
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	17	4.66
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	3	4.66
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	3	4.66
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	12	4.66
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	12	4.66
(1,567)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	9	4.66
(1,567)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	19	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	6	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	6	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	6	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	12	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	12	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	12	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	13	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	13	4.66
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	13	4.66
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	2	4.66
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	23	4.66
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	15	4.66
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	18	4.66
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	1	4.65
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	13	4.65
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	14	4.65
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	10	4.65
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	12	4.65
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	18	4.65
(1,1750)	1:24:A:ILE:HA	1:31:A:MET:HE2	7	4.65
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	21	4.65
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	21	4.65
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	21	4.65
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	21	4.65
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	21	4.65
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	21	4.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	21	4.65
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	21	4.65
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	21	4.65
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	15	4.65
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	15	4.65
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	22	4.65
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	22	4.65
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	11	4.65
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	14	4.65
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	14	4.65
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	8	4.65
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	8	4.65
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	8	4.65
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	9	4.65
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	9	4.65
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	9	4.65
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	5	4.65
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	9	4.64
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	24	4.64
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	9	4.64
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	23	4.64
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	25	4.64
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB3	16	4.64
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	12	4.64
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	7	4.64
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	7	4.64
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	7	4.64
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	7	4.64
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	7	4.64
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	7	4.64
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	7	4.64
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	7	4.64
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	7	4.64
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	15	4.64
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	15	4.64
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	1	4.64
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	7	4.64
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	2	4.64
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	11	4.64
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	11	4.64
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	11	4.64
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	25	4.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	25	4.64
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	25	4.64
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	11	4.64
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	11	4.64
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	22	4.64
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	25	4.64
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	25	4.64
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	5	4.64
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	5	4.64
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	5	4.64
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	18	4.64
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	8	4.64
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	8	4.64
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	8	4.64
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	17	4.64
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	24	4.64
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	24	4.64
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	24	4.64
(1,140)	1:44:A:SER:H	1:41:A:THR:H	2	4.64
(1,140)	1:44:A:SER:H	1:41:A:THR:H	3	4.64
(1,140)	1:44:A:SER:H	1:41:A:THR:H	7	4.64
(1,140)	1:44:A:SER:H	1:41:A:THR:H	15	4.64
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	2	4.63
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	25	4.63
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	20	4.63
(1,1349)	1:48:A:GLU:HB2	1:51:A:ALA:H	13	4.63
(1,1172)	1:63:A:PHE:HD1	1:23:A:PRO:HA	23	4.63
(1,1172)	1:63:A:PHE:HD2	1:23:A:PRO:HA	23	4.63
(1,1084)	1:65:A:PHE:HB2	1:17:A:LEU:HB2	3	4.63
(1,1084)	1:65:A:PHE:HB3	1:17:A:LEU:HB2	3	4.63
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	15	4.63
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	15	4.63
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	15	4.63
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	3	4.63
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	10	4.63
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	14	4.63
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	7	4.63
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	7	4.63
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	7	4.63
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	7	4.63
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	7	4.63
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	15	4.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	15	4.63
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	15	4.63
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	9	4.63
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	21	4.63
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	14	4.62
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	17	4.62
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	13	4.62
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	11	4.62
(1,1430)	1:14:A:ILE:HD12	1:66:A:LYS:H	9	4.62
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	12	4.62
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	12	4.62
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	12	4.62
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	15	4.62
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	15	4.62
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	17	4.62
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	24	4.62
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	16	4.62
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	6	4.62
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	6	4.62
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	16	4.62
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	16	4.62
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	14	4.62
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	20	4.62
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	2	4.62
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	18	4.62
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	18	4.62
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	8	4.62
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	8	4.62
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	1	4.62
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	3	4.62
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	22	4.62
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	22	4.62
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	22	4.62
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	19	4.61
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	2	4.61
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	4	4.61
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	24	4.61
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD1	2	4.61
(1,1222)	1:22:A:PHE:HA	1:63:A:PHE:HD2	2	4.61
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	2	4.61
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	22	4.61
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	14	4.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	20	4.61
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	20	4.61
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	18	4.6
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	2	4.6
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	18	4.6
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	18	4.6
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	22	4.6
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	22	4.6
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	22	4.6
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	22	4.6
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	22	4.6
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	22	4.6
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	22	4.6
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	22	4.6
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	22	4.6
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	23	4.6
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	23	4.6
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG21	21	4.6
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG22	21	4.6
(1,1124)	1:39:A:ASP:HB2	1:9:A:ILE:HG23	21	4.6
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	1	4.6
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	1	4.6
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	10	4.6
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	10	4.6
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	7	4.6
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	12	4.6
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	15	4.6
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	15	4.6
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	20	4.6
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	6	4.6
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	8	4.6
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	12	4.6
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	18	4.6
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	24	4.6
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	3	4.59
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	16	4.59
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	21	4.59
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	23	4.59
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	21	4.59
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG22	13	4.59
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	1	4.59
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	9	4.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	9	4.59
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	9	4.59
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	9	4.59
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	9	4.59
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	9	4.59
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	9	4.59
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	9	4.59
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	9	4.59
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	4	4.59
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	4	4.59
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	4	4.59
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	24	4.59
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	24	4.59
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	24	4.59
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	12	4.59
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	19	4.59
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	19	4.59
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	19	4.59
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	2	4.59
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	6	4.59
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	4	4.59
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	4	4.59
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	1	4.59
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	13	4.59
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	1	4.59
(1,140)	1:44:A:SER:H	1:41:A:THR:H	18	4.59
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	15	4.58
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	6	4.58
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	15	4.58
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	16	4.58
(1,1349)	1:48:A:GLU:HB3	1:51:A:ALA:H	19	4.58
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	19	4.58
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	19	4.58
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	19	4.58
(1,1345)	1:69:A:GLU:HB2	1:7:A:GLU:HG3	25	4.58
(1,1345)	1:69:A:GLU:HB3	1:7:A:GLU:HG3	25	4.58
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	11	4.58
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	2	4.58
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	2	4.58
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	2	4.58
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	21	4.58
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	5	4.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	5	4.58
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	13	4.58
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	13	4.58
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	14	4.58
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	4	4.58
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	10	4.58
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	10	4.58
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	20	4.58
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	20	4.58
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	17	4.58
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	9	4.58
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	16	4.58
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	15	4.57
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	20	4.57
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	8	4.57
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	13	4.57
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	20	4.57
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	25	4.57
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	14	4.57
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	15	4.57
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	15	4.57
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	15	4.57
(1,737)	1:13:A:ILE:HD12	1:7:A:GLU:HA	16	4.57
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	7	4.57
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	20	4.57
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	3	4.57
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	4	4.57
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	24	4.56
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	24	4.56
(1,1638)	1:64:A:PRO:HD3	1:60:A:ALA:HB3	4	4.56
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	3	4.56
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	3	4.56
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	5	4.56
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	17	4.56
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	25	4.56
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	14	4.56
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	14	4.56
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	25	4.56
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	24	4.56
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	21	4.56
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	21	4.56
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	13	4.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	20	4.56
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	24	4.56
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	8	4.56
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	13	4.56
(1,140)	1:44:A:SER:H	1:41:A:THR:H	10	4.56
(1,1751)	1:49:A:LEU:HB3	1:31:A:MET:HE2	6	4.55
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	16	4.55
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	15	4.55
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	15	4.55
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	15	4.55
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	15	4.55
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	15	4.55
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	15	4.55
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	15	4.55
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	15	4.55
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	15	4.55
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	20	4.55
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	23	4.55
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	23	4.55
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	23	4.55
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	6	4.55
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	15	4.55
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	25	4.55
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	25	4.55
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	25	4.55
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	25	4.55
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	25	4.55
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	25	4.55
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	25	4.55
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	25	4.55
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	25	4.55
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	18	4.55
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	18	4.55
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	18	4.55
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	19	4.55
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	19	4.55
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	21	4.55
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	1	4.55
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	1	4.55
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	12	4.55
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	12	4.55
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	19	4.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	19	4.55
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	19	4.55
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	22	4.55
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	22	4.55
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	22	4.55
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	25	4.55
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	25	4.55
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	25	4.55
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	2	4.55
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	8	4.55
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	4	4.55
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	4	4.55
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	4	4.55
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	22	4.54
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	11	4.54
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	18	4.54
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	20	4.54
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	1	4.54
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	1	4.54
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	1	4.54
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	2	4.54
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	2	4.54
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	9	4.54
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	9	4.54
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	1	4.54
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	2	4.54
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	2	4.54
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	2	4.54
(1,140)	1:44:A:SER:H	1:41:A:THR:H	14	4.54
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	7	4.53
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	17	4.53
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	22	4.53
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	18	4.53
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	21	4.53
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	19	4.53
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	5	4.53
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	21	4.53
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	21	4.53
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	21	4.53
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	21	4.53
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	3	4.53
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	3	4.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	3	4.53
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	23	4.53
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	23	4.53
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	23	4.53
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	18	4.53
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	3	4.53
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	3	4.53
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	3	4.53
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	5	4.53
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	5	4.53
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	21	4.53
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	21	4.53
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	21	4.53
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	6	4.53
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	15	4.53
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	23	4.53
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	7	4.53
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	7	4.53
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	7	4.53
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	3	4.53
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	3	4.53
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	3	4.53
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	9	4.53
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	9	4.53
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	9	4.53
(1,140)	1:44:A:SER:H	1:41:A:THR:H	23	4.53
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	16	4.52
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	12	4.52
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	24	4.52
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB1	2	4.52
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	17	4.52
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	1	4.52
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	25	4.52
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	25	4.52
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	25	4.52
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	25	4.52
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	25	4.52
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	25	4.52
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	25	4.52
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	25	4.52
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	25	4.52
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	6	4.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	6	4.52
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	6	4.52
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	4	4.52
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	6	4.52
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	6	4.52
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	6	4.52
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	10	4.52
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	5	4.52
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	5	4.52
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	5	4.52
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	17	4.52
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	17	4.52
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	1	4.52
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	5	4.52
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	1	4.52
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	1	4.52
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	14	4.52
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	24	4.52
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	2	4.52
(1,140)	1:44:A:SER:H	1:41:A:THR:H	16	4.52
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	24	4.51
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	13	4.51
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	1	4.51
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB1	2	4.51
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB2	2	4.51
(1,1318)	1:51:A:ALA:HB1	1:79:A:ALA:HB3	2	4.51
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB1	2	4.51
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB2	2	4.51
(1,1318)	1:51:A:ALA:HB2	1:79:A:ALA:HB3	2	4.51
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB1	2	4.51
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB2	2	4.51
(1,1318)	1:51:A:ALA:HB3	1:79:A:ALA:HB3	2	4.51
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	24	4.51
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	24	4.51
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	14	4.51
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	14	4.51
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	14	4.51
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	24	4.51
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	24	4.51
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	24	4.51
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	4	4.51
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	4	4.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	4	4.51
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	6	4.51
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	7	4.51
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	7	4.51
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	7	4.51
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	23	4.51
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	23	4.51
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	23	4.51
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	22	4.51
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	22	4.51
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	19	4.51
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	14	4.51
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	11	4.51
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	11	4.51
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	11	4.51
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	24	4.51
(1,265)	1:28:A:GLU:HG2	1:25:A:ASN:H	19	4.51
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	23	4.51
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	23	4.51
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	23	4.51
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	12	4.5
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	24	4.5
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	8	4.5
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB3	9	4.5
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	1	4.5
(1,1430)	1:14:A:ILE:HD12	1:66:A:LYS:H	8	4.5
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	10	4.5
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	4	4.5
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	4	4.5
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	4	4.5
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	20	4.5
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	20	4.5
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	20	4.5
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	14	4.5
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	8	4.5
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	8	4.5
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	21	4.5
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	21	4.5
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	11	4.5
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	23	4.5
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	16	4.5
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	23	4.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	4	4.5
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	1	4.5
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	3	4.5
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	3	4.5
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	3	4.5
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	5	4.49
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	6	4.49
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	9	4.49
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	7	4.49
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	18	4.49
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	25	4.49
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	23	4.49
(1,1430)	1:14:A:ILE:HD12	1:66:A:LYS:H	20	4.49
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	20	4.49
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	8	4.49
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	8	4.49
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	8	4.49
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	16	4.49
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	16	4.49
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	16	4.49
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	4	4.49
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	20	4.49
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	20	4.49
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	4	4.49
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	18	4.49
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	23	4.49
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	20	4.49
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	19	4.49
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	2	4.49
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	10	4.49
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	10	4.49
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	10	4.49
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	16	4.49
(1,140)	1:44:A:SER:H	1:41:A:THR:H	11	4.49
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	25	4.48
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	9	4.48
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	8	4.48
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	6	4.48
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	25	4.48
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	10	4.48
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	10	4.48
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	10	4.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	3	4.48
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	3	4.48
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	3	4.48
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	15	4.48
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	25	4.48
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	20	4.48
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	20	4.48
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	25	4.48
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	25	4.48
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	23	4.48
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	5	4.48
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	8	4.48
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	12	4.48
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG21	14	4.48
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG22	14	4.48
(1,506)	1:21:A:ASP:HA	1:24:A:ILE:HG23	14	4.48
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	3	4.48
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	16	4.48
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	21	4.48
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	21	4.48
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	21	4.48
(1,140)	1:44:A:SER:H	1:41:A:THR:H	24	4.48
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	19	4.48
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	19	4.48
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	5	4.47
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	15	4.47
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	22	4.47
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	25	4.47
(1,1430)	1:14:A:ILE:HD13	1:66:A:LYS:H	12	4.47
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	24	4.47
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	24	4.47
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	24	4.47
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	1	4.47
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	1	4.47
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	1	4.47
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	7	4.47
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	7	4.47
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	7	4.47
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	18	4.47
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	18	4.47
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	18	4.47
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	24	4.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	24	4.47
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	20	4.47
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	24	4.47
(1,737)	1:13:A:ILE:HD12	1:7:A:GLU:HA	5	4.47
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	7	4.47
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	10	4.47
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	16	4.47
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	16	4.47
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	25	4.47
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	11	4.47
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	11	4.47
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	11	4.47
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	4	4.47
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	4	4.47
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	4	4.47
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	3	4.46
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	3	4.46
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	16	4.46
(1,1430)	1:14:A:ILE:HD12	1:66:A:LYS:H	21	4.46
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	23	4.46
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	23	4.46
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	23	4.46
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	4	4.46
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	4	4.46
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	4	4.46
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	6	4.46
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	6	4.46
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	6	4.46
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	2	4.46
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	2	4.46
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	7	4.46
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	7	4.46
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	7	4.46
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	22	4.46
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	22	4.46
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	22	4.46
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	13	4.46
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	13	4.46
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	13	4.46
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	5	4.46
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	15	4.46
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	15	4.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	13	4.46
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	12	4.46
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	5	4.46
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	5	4.46
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	17	4.46
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	17	4.46
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	3	4.46
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	3	4.46
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	4	4.46
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	6	4.46
(1,140)	1:44:A:SER:H	1:41:A:THR:H	1	4.46
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	10	4.45
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	19	4.45
(3,24)	1:28:A:GLU:H	1:24:A:ILE:O	22	4.45
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	18	4.45
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	23	4.45
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	3	4.45
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	3	4.45
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	3	4.45
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	16	4.45
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	22	4.45
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	3	4.45
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	3	4.45
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	3	4.45
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	12	4.45
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	12	4.45
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	12	4.45
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	3	4.45
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	15	4.45
(1,688)	1:60:A:ALA:HB3	1:57:A:VAL:HA	17	4.45
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	6	4.45
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	7	4.45
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	11	4.45
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	20	4.45
(1,559)	1:13:A:ILE:HG22	1:69:A:GLU:HA	22	4.45
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	14	4.45
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	14	4.45
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	16	4.45
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	8	4.45
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	2	4.45
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	2	4.45
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	2	4.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,38)	1:69:A:GLU:H	1:65:A:PHE:O	11	4.44
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	8	4.44
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	11	4.44
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	18	4.44
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	8	4.44
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	12	4.44
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	11	4.44
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	20	4.44
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	25	4.44
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	2	4.44
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	2	4.44
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	2	4.44
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	4	4.44
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	4	4.44
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	4	4.44
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	24	4.44
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	24	4.44
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	24	4.44
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	20	4.44
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	20	4.44
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	20	4.44
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	22	4.44
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	22	4.44
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	22	4.44
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	1	4.44
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	1	4.44
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	1	4.44
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	13	4.44
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	17	4.44
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	17	4.44
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	17	4.44
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	16	4.44
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	16	4.44
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	16	4.44
(1,737)	1:13:A:ILE:HD12	1:7:A:GLU:HA	10	4.44
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	9	4.44
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	25	4.44
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	17	4.44
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	17	4.44
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	2	4.44
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	12	4.44
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	24	4.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:44:A:SER:H	1:41:A:THR:H	17	4.44
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	6	4.43
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	12	4.43
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	22	4.43
(1,1751)	1:49:A:LEU:HB3	1:31:A:MET:HE2	4	4.43
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	14	4.43
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	15	4.43
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	2	4.43
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	2	4.43
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	2	4.43
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	2	4.43
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	2	4.43
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	2	4.43
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	15	4.43
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	15	4.43
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	15	4.43
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	12	4.43
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	12	4.43
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	12	4.43
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	10	4.43
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	12	4.43
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	3	4.43
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	2	4.43
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	3	4.43
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	11	4.43
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	17	4.43
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	10	4.43
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	17	4.43
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	21	4.43
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	12	4.43
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	25	4.43
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	13	4.43
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	23	4.43
(1,265)	1:28:A:GLU:HG3	1:25:A:ASN:H	22	4.43
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	14	4.42
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	9	4.42
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	15	4.42
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	6	4.42
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	16	4.42
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	17	4.42
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	22	4.42
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	14	4.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	6	4.42
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	22	4.42
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	22	4.42
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	20	4.42
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	20	4.42
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	20	4.42
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	24	4.42
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	8	4.42
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	8	4.42
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	8	4.42
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	6	4.42
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	6	4.42
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	6	4.42
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	7	4.42
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	7	4.42
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	7	4.42
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	9	4.42
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	9	4.42
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	9	4.42
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	13	4.42
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	13	4.42
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	13	4.42
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	17	4.42
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	17	4.42
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	17	4.42
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	19	4.42
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	19	4.42
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	19	4.42
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	18	4.42
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	18	4.42
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	1	4.42
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	20	4.42
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	8	4.42
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	1	4.42
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	15	4.42
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	17	4.42
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	8	4.42
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	8	4.42
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	8	4.42
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	21	4.41
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	11	4.41
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	9	4.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	16	4.41
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	23	4.41
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	7	4.41
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	7	4.41
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	7	4.41
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	9	4.41
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	9	4.41
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	14	4.41
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	14	4.41
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	14	4.41
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	12	4.41
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	12	4.41
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	12	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	1	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	1	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	1	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	12	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	12	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	12	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	13	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	13	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	13	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	14	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	14	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	14	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	20	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	20	4.41
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	20	4.41
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	21	4.41
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	21	4.41
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	21	4.41
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	19	4.41
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	19	4.41
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	19	4.41
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	21	4.41
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	21	4.41
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	21	4.41
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	21	4.41
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	6	4.41
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	6	4.41
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	13	4.41
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	13	4.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	22	4.41
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	22	4.41
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	22	4.41
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	6	4.41
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	6	4.41
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	6	4.41
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	14	4.41
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	16	4.41
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	2	4.41
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	6	4.41
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	6	4.41
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	6	4.41
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	15	4.41
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	15	4.41
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	24	4.41
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	24	4.41
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	16	4.41
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	5	4.41
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	9	4.41
(1,263)	1:22:A:PHE:HB2	1:29:A:GLU:H	20	4.41
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	17	4.4
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	21	4.4
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	19	4.4
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	9	4.4
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	17	4.4
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	11	4.4
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	21	4.4
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	21	4.4
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	5	4.4
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	5	4.4
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	5	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	8	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	8	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	8	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	18	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	18	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	18	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	21	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	21	4.4
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	21	4.4
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	18	4.4
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	18	4.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	18	4.4
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	10	4.4
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	10	4.4
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	10	4.4
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	14	4.4
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	14	4.4
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	14	4.4
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	1	4.4
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	25	4.4
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	8	4.4
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	25	4.4
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	25	4.4
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	25	4.4
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	12	4.4
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	24	4.4
(1,737)	1:13:A:ILE:HD12	1:7:A:GLU:HA	6	4.4
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	8	4.4
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	25	4.4
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	25	4.4
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	21	4.4
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	22	4.4
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	5	4.4
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	13	4.4
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	18	4.4
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	17	4.4
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	11	4.4
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	7	4.4
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	21	4.4
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	22	4.4
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	7	4.39
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	10	4.39
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	5	4.39
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	8	4.39
(1,1430)	1:14:A:ILE:HD12	1:66:A:LYS:H	15	4.39
(1,1430)	1:14:A:ILE:HD13	1:66:A:LYS:H	17	4.39
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	14	4.39
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	25	4.39
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	20	4.39
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	20	4.39
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	20	4.39
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	20	4.39
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	20	4.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	20	4.39
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	10	4.39
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	10	4.39
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	10	4.39
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	19	4.39
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	19	4.39
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	19	4.39
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	17	4.39
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	17	4.39
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	17	4.39
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	24	4.39
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	24	4.39
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	24	4.39
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	4	4.39
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	4	4.39
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	4	4.39
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	7	4.39
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	7	4.39
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	7	4.39
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	25	4.39
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	25	4.39
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	25	4.39
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	9	4.39
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	9	4.39
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	9	4.39
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	12	4.39
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	12	4.39
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	12	4.39
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	8	4.39
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	8	4.39
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	8	4.39
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	8	4.39
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	8	4.39
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	8	4.39
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	8	4.39
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	8	4.39
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	8	4.39
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	15	4.39
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	15	4.39
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	15	4.39
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	17	4.39
(1,688)	1:60:A:ALA:HB2	1:57:A:VAL:HA	16	4.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	7	4.39
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	18	4.39
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	15	4.39
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	19	4.39
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	23	4.39
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	3	4.39
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	9	4.39
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	10	4.39
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	8	4.39
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	18	4.39
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	19	4.39
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	25	4.39
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	5	4.39
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	5	4.39
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	5	4.39
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	15	4.39
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	15	4.39
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	15	4.39
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	18	4.39
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	18	4.39
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	18	4.39
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	4	4.38
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	13	4.38
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	10	4.38
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	12	4.38
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	20	4.38
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	22	4.38
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	13	4.38
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	13	4.38
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	13	4.38
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	14	4.38
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	14	4.38
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	14	4.38
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	11	4.38
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	11	4.38
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	11	4.38
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	15	4.38
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	15	4.38
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	15	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	8	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	8	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	8	4.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	9	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	9	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	9	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	10	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	10	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	10	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	15	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	15	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	15	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	20	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	20	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	20	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	23	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	23	4.38
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	23	4.38
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	19	4.38
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	19	4.38
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	12	4.38
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	12	4.38
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	12	4.38
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	24	4.38
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	14	4.38
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	6	4.38
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	18	4.38
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	12	4.38
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	20	4.38
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	11	4.38
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	7	4.38
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	7	4.38
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	7	4.38
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	24	4.38
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	24	4.38
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	24	4.38
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	21	4.38
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	21	4.38
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	21	4.38
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	20	4.37
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	25	4.37
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	20	4.37
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	11	4.37
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	6	4.37
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	6	4.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	6	4.37
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	9	4.37
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	9	4.37
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	9	4.37
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	9	4.37
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	22	4.37
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	22	4.37
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	22	4.37
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	22	4.37
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	22	4.37
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	22	4.37
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	9	4.37
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	9	4.37
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	9	4.37
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	5	4.37
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	5	4.37
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	5	4.37
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	19	4.37
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	19	4.37
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	19	4.37
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	14	4.37
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	14	4.37
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	14	4.37
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	5	4.37
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	5	4.37
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	5	4.37
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	22	4.37
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	3	4.37
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	1	4.37
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	1	4.37
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	24	4.37
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	24	4.37
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	24	4.37
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	24	4.37
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	24	4.37
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	17	4.37
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	17	4.37
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	17	4.37
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	2	4.37
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	19	4.37
(1,666)	1:43:A:LYS:HB3	1:40:A:THR:HA	12	4.37
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	23	4.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	4	4.37
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	11	4.37
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	11	4.37
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	23	4.37
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	23	4.37
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	6	4.37
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	8	4.37
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	19	4.37
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	11	4.37
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	10	4.37
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	18	4.37
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	22	4.37
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	18	4.37
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	24	4.36
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	9	4.36
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	24	4.36
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	13	4.36
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	24	4.36
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	16	4.36
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	16	4.36
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	16	4.36
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	2	4.36
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	2	4.36
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	2	4.36
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	5	4.36
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	5	4.36
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	5	4.36
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	17	4.36
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	17	4.36
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	9	4.36
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	10	4.36
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	10	4.36
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	10	4.36
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	7	4.36
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	7	4.36
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	13	4.36
(1,730)	1:28:A:GLU:HG2	1:25:A:ASN:HA	24	4.36
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	18	4.36
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	11	4.36
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	17	4.36
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	11	4.36
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	11	4.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	17	4.36
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	24	4.36
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	22	4.36
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	19	4.35
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	18	4.35
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	6	4.35
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	13	4.35
(1,1430)	1:14:A:ILE:HD13	1:66:A:LYS:H	18	4.35
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	15	4.35
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	15	4.35
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	15	4.35
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	15	4.35
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	3	4.35
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	3	4.35
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	3	4.35
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	1	4.35
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	1	4.35
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	1	4.35
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	11	4.35
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	11	4.35
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	11	4.35
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	11	4.35
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	11	4.35
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	11	4.35
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	17	4.35
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	17	4.35
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	17	4.35
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	20	4.35
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	14	4.35
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	21	4.35
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	9	4.35
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	9	4.35
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	14	4.35
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	14	4.35
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	14	4.35
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	18	4.35
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	18	4.35
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	18	4.35
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	18	4.35
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	15	4.35
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	23	4.35
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	5	4.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	23	4.35
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	22	4.35
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	22	4.35
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	21	4.35
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	6	4.35
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	13	4.35
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	14	4.35
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	14	4.35
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	14	4.35
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	18	4.35
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	18	4.35
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	18	4.35
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	13	4.35
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	13	4.35
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	13	4.35
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	20	4.34
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	3	4.34
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD2	14	4.34
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	5	4.34
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	1	4.34
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	1	4.34
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	1	4.34
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	1	4.34
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	25	4.34
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	25	4.34
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	25	4.34
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	19	4.34
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	19	4.34
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	19	4.34
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	7	4.34
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	7	4.34
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	7	4.34
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	10	4.34
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	19	4.34
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	4	4.34
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	4	4.34
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	8	4.34
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	8	4.34
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	4	4.34
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	4	4.34
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	4	4.34
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	2	4.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	2	4.34
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	2	4.34
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	21	4.34
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	21	4.34
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	21	4.34
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	9	4.34
(1,634)	1:66:A:LYS:H	1:63:A:PHE:HA	13	4.34
(1,559)	1:13:A:ILE:HG22	1:69:A:GLU:HA	15	4.34
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	24	4.34
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	24	4.34
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	12	4.34
(1,350)	1:21:A:ASP:HA	1:26:A:SER:H	14	4.34
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	6	4.33
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	13	4.33
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	18	4.33
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	19	4.33
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	2	4.33
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	21	4.33
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	14	4.33
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	15	4.33
(1,1540)	1:13:A:ILE:HD13	1:39:A:ASP:HB2	21	4.33
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	21	4.33
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	21	4.33
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	21	4.33
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	3	4.33
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	3	4.33
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	3	4.33
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	11	4.33
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	17	4.33
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	24	4.33
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	7	4.33
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	20	4.33
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	20	4.33
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	20	4.33
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA2	23	4.33
(1,765)	1:17:A:LEU:HB3	1:11:A:GLY:HA3	23	4.33
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	20	4.33
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	20	4.33
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	20	4.33
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	22	4.33
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	25	4.33
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	15	4.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG21	2	4.32
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	18	4.32
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	4	4.32
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	5	4.32
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	7	4.32
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	7	4.32
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	21	4.32
(1,1624)	1:51:A:ALA:HB2	1:72:A:ALA:HA	24	4.32
(1,1430)	1:14:A:ILE:HD13	1:66:A:LYS:H	3	4.32
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	3	4.32
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	3	4.32
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	3	4.32
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	3	4.32
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	12	4.32
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	12	4.32
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	12	4.32
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	12	4.32
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	13	4.32
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	13	4.32
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	13	4.32
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	16	4.32
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	16	4.32
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	16	4.32
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	5	4.32
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	5	4.32
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	23	4.32
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	23	4.32
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	9	4.32
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	9	4.32
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	9	4.32
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	25	4.32
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	25	4.32
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	25	4.32
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	25	4.32
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	25	4.32
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	25	4.32
(1,645)	1:16:A:ALA:H	1:19:A:GLY:HA2	19	4.32
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	21	4.32
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	13	4.32
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB2	22	4.32
(1,558)	1:14:A:ILE:HG12	1:65:A:PHE:HB3	22	4.32
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	7	4.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	21	4.32
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	1	4.32
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	24	4.32
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	14	4.31
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG2	1	4.31
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	5	4.31
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	5	4.31
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	5	4.31
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	5	4.31
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	13	4.31
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	13	4.31
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	13	4.31
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	13	4.31
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	23	4.31
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	23	4.31
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	23	4.31
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	7	4.31
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	25	4.31
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	14	4.31
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	19	4.31
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	15	4.31
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	15	4.31
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	7	4.31
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	7	4.31
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	7	4.31
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	2	4.31
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	2	4.31
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	2	4.31
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	23	4.31
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	4	4.31
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	4	4.31
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	4	4.31
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	9	4.31
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	9	4.31
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	9	4.31
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	25	4.3
(1,1790)	1:69:A:GLU:HB2	1:10:A:ARG:HB3	24	4.3
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	15	4.3
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	22	4.3
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	4	4.3
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	4	4.3
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	4	4.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	7	4.3
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	7	4.3
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	7	4.3
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	7	4.3
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	23	4.3
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	23	4.3
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	23	4.3
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	23	4.3
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	4	4.3
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	4	4.3
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	4	4.3
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	9	4.3
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	9	4.3
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	9	4.3
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	6	4.3
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	6	4.3
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	6	4.3
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	13	4.3
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	13	4.3
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	13	4.3
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	5	4.3
(1,926)	1:10:A:ARG:HD2	1:7:A:GLU:HG3	24	4.3
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	3	4.3
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	3	4.3
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	5	4.3
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	5	4.3
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	5	4.3
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	5	4.3
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	5	4.3
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	5	4.3
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	16	4.3
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	10	4.3
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	10	4.3
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	10	4.3
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	14	4.3
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	14	4.3
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	14	4.3
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	18	4.3
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	17	4.3
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	17	4.3
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	17	4.3
(1,737)	1:13:A:ILE:HD12	1:7:A:GLU:HA	11	4.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	14	4.3
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	14	4.3
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	14	4.3
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	6	4.3
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	13	4.3
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	13	4.3
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	7	4.3
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	22	4.3
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	11	4.3
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	12	4.3
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	13	4.3
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	13	4.3
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	13	4.3
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	14	4.3
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	14	4.3
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	14	4.3
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	14	4.3
(3,34)	1:67:A:SER:H	1:63:A:PHE:O	1	4.29
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	5	4.29
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	22	4.29
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	23	4.29
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	1	4.29
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	1	4.29
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	1	4.29
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	4	4.29
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	4	4.29
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	4	4.29
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	4	4.29
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	7	4.29
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	7	4.29
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	7	4.29
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	5	4.29
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	5	4.29
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	5	4.29
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	12	4.29
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	12	4.29
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	12	4.29
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	12	4.29
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	12	4.29
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	22	4.29
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	22	4.29
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	22	4.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	25	4.29
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	25	4.29
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	25	4.29
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	19	4.29
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	8	4.29
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	8	4.29
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	8	4.29
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	8	4.29
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	3	4.29
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	24	4.29
(1,559)	1:13:A:ILE:HG23	1:69:A:GLU:HA	21	4.29
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	24	4.29
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	24	4.29
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	24	4.29
(1,403)	1:63:A:PHE:HB3	1:67:A:SER:H	1	4.29
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	18	4.29
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	10	4.29
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	10	4.29
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	10	4.29
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	20	4.29
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	20	4.29
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	20	4.29
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	11	4.28
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	20	4.28
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	5	4.28
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	12	4.28
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	13	4.28
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	9	4.28
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	16	4.28
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	16	4.28
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	16	4.28
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	1	4.28
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	1	4.28
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	1	4.28
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	25	4.28
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	25	4.28
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	25	4.28
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	23	4.28
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	23	4.28
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	23	4.28
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	16	4.28
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	16	4.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	16	4.28
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	22	4.28
(1,559)	1:13:A:ILE:HG23	1:69:A:GLU:HA	17	4.28
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	20	4.28
(1,559)	1:13:A:ILE:HG22	1:69:A:GLU:HA	25	4.28
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	9	4.28
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	17	4.28
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	17	4.28
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	8	4.27
(1,1430)	1:14:A:ILE:HD12	1:66:A:LYS:H	24	4.27
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	16	4.27
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	16	4.27
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	16	4.27
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	16	4.27
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	10	4.27
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	8	4.27
(1,1026)	1:76:A:VAL:HG11	1:78:A:LYS:HB2	4	4.27
(1,1026)	1:76:A:VAL:HG12	1:78:A:LYS:HB2	4	4.27
(1,1026)	1:76:A:VAL:HG13	1:78:A:LYS:HB2	4	4.27
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	1	4.27
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	12	4.27
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	10	4.27
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	7	4.27
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	7	4.27
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	18	4.27
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	18	4.27
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	20	4.27
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	9	4.27
(1,730)	1:28:A:GLU:HG3	1:25:A:ASN:HA	16	4.27
(1,664)	1:48:A:GLU:HB2	1:40:A:THR:HA	24	4.27
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	17	4.27
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	8	4.27
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	3	4.27
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	6	4.26
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	4	4.26
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	7	4.26
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	5	4.26
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	8	4.26
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	15	4.26
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	24	4.26
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	24	4.26
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	24	4.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA2	24	4.26
(1,665)	1:48:A:GLU:HB3	1:45:A:GLY:HA3	24	4.26
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	16	4.26
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	16	4.26
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	1	4.26
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	1	4.26
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	1	4.26
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	13	4.26
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	13	4.26
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	13	4.26
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	3	4.25
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	2	4.25
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	6	4.25
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	6	4.25
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	6	4.25
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	6	4.25
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	17	4.25
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	17	4.25
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	17	4.25
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	17	4.25
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	11	4.25
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	11	4.25
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	11	4.25
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	15	4.25
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	15	4.25
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	15	4.25
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	3	4.25
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	8	4.25
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	4	4.25
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	4	4.25
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	4	4.25
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	4	4.25
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	4	4.25
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	4	4.25
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	2	4.25
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	17	4.25
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	17	4.25
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	17	4.25
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	10	4.25
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	15	4.25
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	15	4.25
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	15	4.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	23	4.25
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	23	4.25
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	23	4.25
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	25	4.25
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	25	4.25
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	25	4.25
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	14	4.25
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	5	4.25
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	20	4.25
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	15	4.25
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	15	4.25
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	25	4.25
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	25	4.25
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	2	4.25
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	11	4.25
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	11	4.25
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	11	4.25
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	10	4.24
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	14	4.24
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	13	4.24
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	9	4.24
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	9	4.24
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	9	4.24
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	2	4.24
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	2	4.24
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	2	4.24
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	2	4.24
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	4	4.24
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	23	4.24
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	6	4.24
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	6	4.24
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	6	4.24
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	6	4.24
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	10	4.24
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	14	4.24
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	23	4.24
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	2	4.24
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	2	4.24
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	2	4.24
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	22	4.24
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	22	4.24
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	22	4.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	1	4.24
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	1	4.24
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	1	4.24
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	3	4.23
(1,1430)	1:14:A:ILE:HD11	1:66:A:LYS:H	23	4.23
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	10	4.23
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	18	4.23
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	18	4.23
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	18	4.23
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	18	4.23
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	6	4.23
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	6	4.23
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	6	4.23
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	21	4.23
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	21	4.23
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	24	4.23
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	24	4.23
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	24	4.23
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	15	4.23
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	15	4.23
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	15	4.23
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	7	4.23
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	7	4.23
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	7	4.23
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	10	4.23
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	10	4.23
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	10	4.23
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	9	4.23
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	6	4.23
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	6	4.23
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	6	4.23
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	21	4.23
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	3	4.23
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	3	4.23
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	8	4.23
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	8	4.23
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	8	4.23
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	21	4.23
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	21	4.23
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	21	4.23
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	18	4.22
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	20	4.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1783)	1:7:A:GLU:HG2	1:14:A:ILE:HG22	15	4.22
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG23	22	4.22
(1,1749)	1:14:A:ILE:HD12	1:7:A:GLU:HG2	8	4.22
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	2	4.22
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	4	4.22
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	5	4.22
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	19	4.22
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	5	4.22
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	5	4.22
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	5	4.22
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	10	4.22
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	10	4.22
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	10	4.22
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	24	4.22
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	24	4.22
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	24	4.22
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	24	4.22
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	3	4.22
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	3	4.22
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	3	4.22
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	23	4.22
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	23	4.22
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	23	4.22
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	23	4.22
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	23	4.22
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	23	4.22
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	17	4.22
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	17	4.22
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	17	4.22
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD2	21	4.22
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	23	4.22
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	13	4.22
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	13	4.22
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	13	4.22
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	13	4.22
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	13	4.22
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	13	4.22
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	1	4.22
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	1	4.22
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	1	4.22
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	1	4.22
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	1	4.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	1	4.22
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	11	4.22
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	11	4.22
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	11	4.22
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	9	4.22
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	11	4.22
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	11	4.22
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	11	4.22
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	11	4.22
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	4	4.22
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	5	4.22
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	19	4.22
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	14	4.22
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	15	4.22
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	6	4.22
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	22	4.22
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	14	4.22
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	5	4.22
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	5	4.22
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	3	4.21
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	16	4.21
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD2	25	4.21
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	23	4.21
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	11	4.21
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	17	4.21
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	17	4.21
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	17	4.21
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	11	4.21
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	11	4.21
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	11	4.21
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	11	4.21
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	25	4.21
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	25	4.21
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	25	4.21
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	25	4.21
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	25	4.21
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	25	4.21
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	6	4.21
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	16	4.21
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	15	4.21
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	15	4.21
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	15	4.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	13	4.21
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	23	4.21
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	12	4.21
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	12	4.21
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	12	4.21
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	5	4.2
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	19	4.2
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	21	4.2
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD3	20	4.2
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD3	22	4.2
(1,1640)	1:67:A:SER:H	1:62:A:ASP:HB2	18	4.2
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	25	4.2
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	10	4.2
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	10	4.2
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	10	4.2
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	18	4.2
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	11	4.2
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	11	4.2
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	25	4.2
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	25	4.2
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD2	17	4.2
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	4	4.2
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	4	4.2
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	4	4.2
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	5	4.2
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	5	4.2
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	5	4.2
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	18	4.2
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	18	4.2
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	18	4.2
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	21	4.2
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	24	4.2
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	24	4.2
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	24	4.2
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	24	4.2
(1,663)	1:48:A:GLU:HG3	1:40:A:THR:HA	21	4.2
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	6	4.2
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	6	4.2
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	24	4.2
(1,400)	1:62:A:ASP:HB2	1:67:A:SER:H	18	4.2
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	7	4.2
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	7	4.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	9	4.2
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	9	4.2
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	9	4.2
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	22	4.19
(1,1751)	1:49:A:LEU:HB3	1:31:A:MET:HE2	1	4.19
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	8	4.19
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	8	4.19
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	8	4.19
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	10	4.19
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	10	4.19
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	10	4.19
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	2	4.19
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	2	4.19
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	2	4.19
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	25	4.19
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	11	4.19
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	11	4.19
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	11	4.19
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	11	4.19
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	11	4.19
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	11	4.19
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD2	21	4.19
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	7	4.19
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	7	4.19
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	7	4.19
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	13	4.19
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	20	4.19
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	20	4.19
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	20	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	12	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	12	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	12	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	19	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	19	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	19	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	21	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	21	4.19
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	21	4.19
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	11	4.19
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	14	4.19
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	11	4.19
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	11	4.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	10	4.19
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	19	4.19
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	11	4.19
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	15	4.19
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	15	4.19
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	15	4.19
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	17	4.19
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	17	4.19
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	17	4.19
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	4	4.19
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	4	4.19
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	10	4.18
(1,1751)	1:49:A:LEU:HB3	1:31:A:MET:HE2	14	4.18
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG3	7	4.18
(1,1624)	1:51:A:ALA:HB1	1:72:A:ALA:HA	25	4.18
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	10	4.18
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	22	4.18
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	22	4.18
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	14	4.18
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	14	4.18
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	14	4.18
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	24	4.18
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	24	4.18
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	24	4.18
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	11	4.18
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	11	4.18
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	11	4.18
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	12	4.18
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	12	4.18
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	12	4.18
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	23	4.18
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	23	4.18
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	23	4.18
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	25	4.18
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	25	4.18
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	25	4.18
(1,796)	1:57:A:VAL:HG21	1:72:A:ALA:HA	5	4.18
(1,796)	1:57:A:VAL:HG22	1:72:A:ALA:HA	5	4.18
(1,796)	1:57:A:VAL:HG23	1:72:A:ALA:HA	5	4.18
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	18	4.18
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	18	4.18
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	18	4.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	2	4.18
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	15	4.18
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	15	4.18
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	15	4.18
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	25	4.17
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	11	4.17
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	11	4.17
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	11	4.17
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	14	4.17
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	14	4.17
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	14	4.17
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	14	4.17
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	20	4.17
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	10	4.17
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	10	4.17
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	14	4.17
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	14	4.17
(1,873)	1:39:A:ASP:HB2	1:12:A:GLN:HB3	21	4.17
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	3	4.17
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	3	4.17
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	3	4.17
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	9	4.17
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	9	4.17
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	9	4.17
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	22	4.17
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	22	4.17
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	22	4.17
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	8	4.17
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	12	4.17
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	7	4.17
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	20	4.17
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	20	4.17
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	20	4.17
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	11	4.17
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	11	4.17
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	11	4.17
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	19	4.17
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	19	4.17
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	19	4.17
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	11	4.17
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	25	4.17
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	16	4.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	16	4.17
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	20	4.17
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	20	4.17
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	20	4.17
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	20	4.17
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	20	4.17
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	20	4.17
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	8	4.16
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	9	4.16
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD3	4	4.16
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	12	4.16
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB2	17	4.16
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	5	4.16
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	5	4.16
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	8	4.16
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	8	4.16
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	8	4.16
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	8	4.16
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	13	4.16
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	13	4.16
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	13	4.16
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	21	4.16
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	21	4.16
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	21	4.16
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	13	4.16
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	5	4.16
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	5	4.16
(1,906)	1:17:A:LEU:HB2	1:27:A:PRO:HA	22	4.16
(1,906)	1:17:A:LEU:HB3	1:27:A:PRO:HA	22	4.16
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	19	4.16
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	19	4.16
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	19	4.16
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	24	4.16
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	24	4.16
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	24	4.16
(1,776)	1:81:A:LEU:HD11	1:78:A:LYS:HA	22	4.16
(1,776)	1:81:A:LEU:HD12	1:78:A:LYS:HA	22	4.16
(1,776)	1:81:A:LEU:HD13	1:78:A:LYS:HA	22	4.16
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	17	4.16
(1,737)	1:13:A:ILE:HD12	1:7:A:GLU:HA	19	4.16
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	23	4.16
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	20	4.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	20	4.16
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	14	4.16
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	14	4.16
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	14	4.16
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	17	4.16
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	17	4.16
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	17	4.16
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	16	4.16
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	16	4.16
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	16	4.16
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	6	4.15
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	11	4.15
(1,1687)	1:37:A:GLY:HA3	1:35:A:PRO:HD2	10	4.15
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	25	4.15
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	25	4.15
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	25	4.15
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	25	4.15
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	2	4.15
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	14	4.15
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	14	4.15
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	14	4.15
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	21	4.15
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	21	4.15
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	21	4.15
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	13	4.15
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	13	4.15
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	13	4.15
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	1	4.15
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	16	4.15
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	1	4.15
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	1	4.15
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	1	4.15
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	16	4.15
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	16	4.15
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	16	4.15
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	12	4.14
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	22	4.14
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	8	4.14
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	8	4.14
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	8	4.14
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	8	4.14
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	8	4.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	8	4.14
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	8	4.14
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	8	4.14
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	8	4.14
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	18	4.14
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	18	4.14
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	18	4.14
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	19	4.14
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	19	4.14
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	19	4.14
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	24	4.14
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	24	4.14
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	24	4.14
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	9	4.14
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	6	4.14
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	6	4.14
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	6	4.14
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	13	4.14
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	13	4.14
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	13	4.14
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	22	4.14
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	22	4.14
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	22	4.14
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	2	4.14
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	12	4.14
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	12	4.14
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	12	4.14
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	7	4.14
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	14	4.14
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	25	4.14
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	25	4.14
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	25	4.14
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	17	4.14
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	17	4.14
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	17	4.14
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	19	4.14
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	19	4.14
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	19	4.14
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	13	4.13
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	21	4.13
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	8	4.13
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB2	16	4.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	24	4.13
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	17	4.13
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	17	4.13
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	17	4.13
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	17	4.13
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	17	4.13
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	17	4.13
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	18	4.13
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	3	4.13
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	3	4.13
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	3	4.13
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	10	4.13
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	10	4.13
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	10	4.13
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	16	4.13
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	8	4.13
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	8	4.13
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	8	4.13
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	13	4.13
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	13	4.13
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	13	4.13
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	7	4.12
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD11	24	4.12
(1,1624)	1:51:A:ALA:HB2	1:72:A:ALA:HA	5	4.12
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG22	5	4.12
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	9	4.12
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	9	4.12
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	9	4.12
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	9	4.12
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	9	4.12
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	9	4.12
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	1	4.12
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	1	4.12
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	1	4.12
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	11	4.12
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	11	4.12
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	11	4.12
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	4	4.12
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	4	4.12
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	4	4.12
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	15	4.12
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	15	4.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	15	4.12
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	15	4.12
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	15	4.12
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	15	4.12
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	25	4.12
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	25	4.12
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	25	4.12
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	20	4.12
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	20	4.12
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	20	4.12
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	20	4.12
(1,766)	1:78:A:LYS:HB2	1:73:A:ASP:HA	11	4.12
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	1	4.12
(1,737)	1:13:A:ILE:HD12	1:7:A:GLU:HA	4	4.12
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	9	4.12
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	9	4.12
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	9	4.12
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	25	4.12
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	25	4.12
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	25	4.12
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	22	4.12
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	21	4.12
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	22	4.12
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	22	4.12
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	22	4.12
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	13	4.12
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	13	4.12
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	13	4.12
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	1	4.11
(1,1783)	1:7:A:GLU:HG3	1:14:A:ILE:HG23	20	4.11
(1,1749)	1:14:A:ILE:HD13	1:7:A:GLU:HG3	9	4.11
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	16	4.11
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	19	4.11
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	19	4.11
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	19	4.11
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	17	4.11
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	17	4.11
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	17	4.11
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	23	4.11
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	23	4.11
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	23	4.11
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	8	4.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	4	4.11
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	2	4.11
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	10	4.11
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	10	4.11
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	10	4.11
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	10	4.11
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	10	4.11
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	10	4.11
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	16	4.11
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	16	4.11
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	16	4.11
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	11	4.11
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	11	4.11
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	11	4.11
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	21	4.11
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	21	4.11
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	21	4.11
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	21	4.11
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	2	4.11
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	2	4.11
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	2	4.11
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	8	4.11
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	8	4.11
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	8	4.11
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	18	4.11
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	18	4.11
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	18	4.11
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	1	4.11
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	1	4.11
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	1	4.11
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	12	4.11
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	16	4.11
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	15	4.11
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	1	4.11
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	1	4.11
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	1	4.11
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	1	4.11
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	3	4.11
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	21	4.11
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	21	4.11
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	21	4.11
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	21	4.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	24	4.11
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	24	4.11
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	24	4.11
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	4	4.11
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	4	4.11
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	4	4.11
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	24	4.11
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	9	4.1
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	17	4.1
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	12	4.1
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD12	16	4.1
(1,1751)	1:49:A:LEU:HB3	1:31:A:MET:HE2	23	4.1
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	25	4.1
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	13	4.1
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	13	4.1
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	10	4.1
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	10	4.1
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	10	4.1
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	10	4.1
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	19	4.1
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	19	4.1
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	19	4.1
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	19	4.1
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	12	4.1
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	12	4.1
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	12	4.1
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	18	4.1
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	20	4.1
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	20	4.1
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	20	4.1
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	19	4.1
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	7	4.1
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	7	4.1
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	7	4.1
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	7	4.1
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	7	4.1
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	7	4.1
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	6	4.1
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	6	4.1
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	6	4.1
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	10	4.1
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	18	4.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	20	4.1
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	6	4.1
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	16	4.1
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	25	4.1
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	25	4.1
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	25	4.1
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	17	4.1
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	22	4.1
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	21	4.1
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	4	4.1
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	4	4.1
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	4	4.1
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	25	4.1
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	25	4.1
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	25	4.1
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	6	4.09
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	15	4.09
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	24	4.09
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	6	4.09
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD2	23	4.09
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	6	4.09
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	9	4.09
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	9	4.09
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	9	4.09
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	10	4.09
(1,801)	1:12:A:GLN:HB3	1:6:A:LYS:HA	20	4.09
(1,748)	1:41:A:THR:H	1:38:A:PRO:HA	15	4.09
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	16	4.09
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	16	4.09
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	16	4.09
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	13	4.09
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	15	4.09
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	2	4.09
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	4	4.09
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	12	4.09
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	12	4.09
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	7	4.09
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	7	4.09
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	7	4.09
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	4	4.09
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	24	4.09
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	20	4.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	20	4.09
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	17	4.09
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	6	4.09
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	6	4.09
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	6	4.09
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	6	4.09
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	19	4.09
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	19	4.09
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	19	4.09
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	2	4.09
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	2	4.09
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	2	4.09
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	13	4.08
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	5	4.08
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	18	4.08
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	18	4.08
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	18	4.08
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	5	4.08
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	5	4.08
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	5	4.08
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	19	4.08
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	19	4.08
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	19	4.08
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	19	4.08
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	19	4.08
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	19	4.08
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	17	4.08
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD2	13	4.08
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	15	4.08
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	22	4.08
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	7	4.08
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	7	4.08
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	7	4.08
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	7	4.08
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	7	4.08
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	7	4.08
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	12	4.08
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	12	4.08
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	12	4.08
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	20	4.08
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	11	4.08
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	21	4.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	4	4.08
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	7	4.08
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	23	4.08
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	22	4.08
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	21	4.08
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	21	4.08
(1,559)	1:13:A:ILE:HG23	1:69:A:GLU:HA	11	4.08
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	5	4.08
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	5	4.08
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	5	4.08
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	5	4.08
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	8	4.08
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	4	4.07
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	17	4.07
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	18	4.07
(1,1751)	1:49:A:LEU:HB3	1:31:A:MET:HE2	24	4.07
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	15	4.07
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	15	4.07
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	21	4.07
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	21	4.07
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	21	4.07
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	21	4.07
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	7	4.07
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	7	4.07
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	7	4.07
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	21	4.07
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	21	4.07
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	21	4.07
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	11	4.07
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	11	4.07
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	11	4.07
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	19	4.07
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	19	4.07
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	19	4.07
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	19	4.07
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	19	4.07
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	19	4.07
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	8	4.07
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	8	4.07
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	8	4.07
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	14	4.07
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	14	4.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	14	4.07
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	15	4.07
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	15	4.07
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	15	4.07
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	21	4.07
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	21	4.07
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	21	4.07
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	4	4.07
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	4	4.07
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	4	4.07
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	18	4.07
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	1	4.07
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	9	4.07
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	25	4.07
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	8	4.07
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	17	4.07
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	17	4.07
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	17	4.07
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	17	4.07
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	17	4.07
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	12	4.07
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	19	4.07
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	19	4.07
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	19	4.07
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	23	4.07
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	23	4.07
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	23	4.07
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	6	4.07
(1,140)	1:44:A:SER:H	1:41:A:THR:H	19	4.07
(1,140)	1:44:A:SER:H	1:41:A:THR:H	25	4.07
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	9	4.06
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	6	4.06
(1,1624)	1:51:A:ALA:HB2	1:72:A:ALA:HA	17	4.06
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	2	4.06
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	7	4.06
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	10	4.06
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	10	4.06
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	10	4.06
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	10	4.06
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	25	4.06
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	20	4.06
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	25	4.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	25	4.06
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	25	4.06
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	25	4.06
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	23	4.06
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	23	4.06
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	23	4.06
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	23	4.06
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	23	4.06
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	23	4.06
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	8	4.06
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	8	4.06
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	8	4.06
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	5	4.06
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	5	4.06
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	5	4.06
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	1	4.06
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	1	4.06
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	1	4.06
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	3	4.06
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	8	4.06
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	10	4.06
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	10	4.06
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	2	4.06
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	2	4.06
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	2	4.06
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	16	4.06
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	10	4.06
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	10	4.06
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	10	4.06
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	2	4.05
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	3	4.05
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	16	4.05
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG22	22	4.05
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	17	4.05
(1,1624)	1:51:A:ALA:HB1	1:72:A:ALA:HA	4	4.05
(1,1624)	1:51:A:ALA:HB1	1:72:A:ALA:HA	7	4.05
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	13	4.05
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	13	4.05
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	13	4.05
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	13	4.05
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	13	4.05
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	13	4.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	22	4.05
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	22	4.05
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	22	4.05
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	22	4.05
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	10	4.05
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	18	4.05
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	18	4.05
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	18	4.05
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	1	4.05
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	1	4.05
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	1	4.05
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	1	4.05
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	1	4.05
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	1	4.05
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	17	4.05
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	17	4.05
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	17	4.05
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	24	4.05
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	24	4.05
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	24	4.05
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	9	4.05
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	9	4.05
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	9	4.05
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	21	4.05
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	13	4.05
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	19	4.05
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	9	4.05
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	6	4.05
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	21	4.05
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	8	4.05
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	12	4.05
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	12	4.05
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	12	4.05
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	23	4.05
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	23	4.05
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	23	4.05
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	4	4.04
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	20	4.04
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	13	4.04
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	16	4.04
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	1	4.04
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	21	4.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	25	4.04
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	2	4.04
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	2	4.04
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	2	4.04
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	8	4.04
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	8	4.04
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	8	4.04
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	3	4.04
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	3	4.04
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	3	4.04
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	3	4.04
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	3	4.04
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	3	4.04
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD2	20	4.04
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	16	4.04
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	16	4.04
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	16	4.04
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	16	4.04
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	16	4.04
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	16	4.04
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	19	4.04
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	19	4.04
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	19	4.04
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	14	4.04
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	14	4.04
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	14	4.04
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	19	4.04
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	25	4.04
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	20	4.04
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	20	4.04
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	20	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	10	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	10	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	10	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	11	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	11	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	11	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	19	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	19	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	19	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	23	4.04
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	23	4.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	23	4.04
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	9	4.04
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	5	4.04
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	6	4.04
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	12	4.04
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	17	4.04
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	18	4.04
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	3	4.04
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	23	4.04
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	23	4.04
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	4	4.04
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	4	4.04
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	4	4.04
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	9	4.04
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	9	4.04
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	9	4.04
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	13	4.04
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	23	4.04
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	2	4.04
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	2	4.04
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	6	4.04
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	6	4.04
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	25	4.04
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	25	4.04
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	19	4.03
(1,1689)	1:81:A:LEU:HD12	1:73:A:ASP:HA	4	4.03
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	24	4.03
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	24	4.03
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	24	4.03
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	2	4.03
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	2	4.03
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	2	4.03
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	13	4.03
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	13	4.03
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	13	4.03
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	25	4.03
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	25	4.03
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	25	4.03
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	7	4.03
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	7	4.03
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	7	4.03
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	21	4.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	25	4.03
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	23	4.03
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	8	4.03
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	8	4.03
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	8	4.03
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD2	23	4.03
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	3	4.03
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	3	4.03
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	3	4.03
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	3	4.03
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	3	4.03
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	3	4.03
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	6	4.03
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	6	4.03
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	6	4.03
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	23	4.03
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	23	4.03
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	23	4.03
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	23	4.03
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	3	4.03
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	4	4.03
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	8	4.03
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	4	4.03
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	14	4.03
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	15	4.03
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	24	4.03
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	7	4.03
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	2	4.03
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	16	4.03
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	16	4.03
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	16	4.03
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	21	4.03
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	21	4.03
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	21	4.03
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	15	4.03
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	20	4.03
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	23	4.03
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	19	4.03
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	19	4.03
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	11	4.03
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	11	4.03
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	11	4.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	8	4.02
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	10	4.02
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	4	4.02
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	7	4.02
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	23	4.02
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	8	4.02
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	2	4.02
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	2	4.02
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	2	4.02
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	2	4.02
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	2	4.02
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	2	4.02
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	1	4.02
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	1	4.02
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	1	4.02
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	1	4.02
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	1	4.02
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	1	4.02
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	12	4.02
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	12	4.02
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	12	4.02
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	15	4.02
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	15	4.02
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	15	4.02
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	2	4.02
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	2	4.02
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	2	4.02
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	13	4.02
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	2	4.02
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	2	4.02
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	2	4.02
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	2	4.02
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	2	4.02
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	2	4.02
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	13	4.02
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	13	4.02
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	13	4.02
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	7	4.02
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	7	4.02
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	7	4.02
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	7	4.02
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	10	4.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	20	4.02
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	23	4.02
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	22	4.02
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	24	4.02
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	2	4.02
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	2	4.02
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	2	4.02
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	20	4.02
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	18	4.02
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	13	4.02
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	13	4.02
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	2	4.02
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	2	4.02
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	14	4.01
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	23	4.01
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	1	4.01
(1,1624)	1:51:A:ALA:HB1	1:72:A:ALA:HA	20	4.01
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	19	4.01
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	19	4.01
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	19	4.01
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	19	4.01
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	19	4.01
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	19	4.01
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	7	4.01
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	21	4.01
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	12	4.01
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	12	4.01
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	6	4.01
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	6	4.01
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	6	4.01
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	9	4.01
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	9	4.01
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	9	4.01
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	14	4.01
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	14	4.01
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	14	4.01
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	24	4.01
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	24	4.01
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	24	4.01
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	8	4.01
(1,1058)	1:35:A:PRO:HD3	1:31:A:MET:HA	17	4.01
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD21	22	4.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD22	22	4.01
(1,1033)	1:78:A:LYS:HB3	1:81:A:LEU:HD23	22	4.01
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD3	2	4.01
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD2	19	4.01
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	15	4.01
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	22	4.01
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	8	4.01
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	8	4.01
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	8	4.01
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD2	18	4.01
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	25	4.01
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	14	4.01
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	16	4.01
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	16	4.01
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	16	4.01
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	19	4.01
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	1	4.01
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	1	4.01
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB2	19	4.01
(1,550)	1:51:A:ALA:H	1:48:A:GLU:HB3	19	4.01
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	2	4.01
(1,513)	1:26:A:SER:H	1:22:A:PHE:HA	9	4.01
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	8	4.01
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	8	4.01
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	11	4.01
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	3	4.01
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	3	4.01
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	3	4.01
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	10	4.01
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	10	4.01
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	10	4.01
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	1	4.0
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	18	4.0
(3,35)	1:67:A:SER:N	1:63:A:PHE:O	1	4.0
(1,1749)	1:14:A:ILE:HD13	1:7:A:GLU:HG2	4	4.0
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	11	4.0
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	11	4.0
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	11	4.0
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	5	4.0
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	5	4.0
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	5	4.0
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	4	4.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	4	4.0
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	4	4.0
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	18	4.0
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	18	4.0
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	18	4.0
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	18	4.0
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	18	4.0
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	18	4.0
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	17	4.0
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	4	4.0
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	4	4.0
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	4	4.0
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	5	4.0
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	5	4.0
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	5	4.0
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	22	4.0
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	22	4.0
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	22	4.0
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	15	4.0
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	8	4.0
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	16	4.0
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	16	4.0
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	16	4.0
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	20	4.0
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	20	4.0
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	20	4.0
(1,534)	1:48:A:GLU:HB2	1:31:A:MET:HE2	16	4.0
(1,534)	1:48:A:GLU:HB3	1:31:A:MET:HE2	16	4.0
(1,483)	1:70:A:GLU:HG3	1:68:A:ALA:H	13	4.0
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	1	4.0
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	15	4.0
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	3	3.99
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	4	3.99
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	23	3.99
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	6	3.99
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	17	3.99
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	21	3.99
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	22	3.99
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	22	3.99
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	22	3.99
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	22	3.99
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	22	3.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	22	3.99
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	6	3.99
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	20	3.99
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	22	3.99
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	22	3.99
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	22	3.99
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	16	3.99
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD2	21	3.99
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	9	3.99
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	9	3.99
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	9	3.99
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	9	3.99
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	9	3.99
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	9	3.99
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	13	3.99
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	13	3.99
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	13	3.99
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	13	3.99
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	13	3.99
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	13	3.99
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG21	12	3.99
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG22	12	3.99
(1,828)	1:38:A:PRO:HB2	1:41:A:THR:HG23	12	3.99
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG21	12	3.99
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG22	12	3.99
(1,828)	1:38:A:PRO:HB3	1:41:A:THR:HG23	12	3.99
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB1	3	3.99
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB2	3	3.99
(1,725)	1:65:A:PHE:HA	1:68:A:ALA:HB3	3	3.99
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	19	3.99
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	19	3.99
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	19	3.99
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	19	3.99
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	19	3.99
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	19	3.99
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	12	3.99
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	11	3.99
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	14	3.99
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	14	3.99
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	23	3.99
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	23	3.99
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	23	3.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	4	3.99
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	4	3.99
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	9	3.99
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	9	3.99
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	1	3.99
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	24	3.99
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	19	3.98
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	2	3.98
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	7	3.98
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	21	3.98
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	4	3.98
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	4	3.98
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	4	3.98
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	4	3.98
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	4	3.98
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	4	3.98
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	13	3.98
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	13	3.98
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	13	3.98
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	13	3.98
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	13	3.98
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	13	3.98
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	13	3.98
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	13	3.98
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	13	3.98
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	23	3.98
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	23	3.98
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	23	3.98
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	16	3.98
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	3	3.98
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	3	3.98
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	3	3.98
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	3	3.98
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	3	3.98
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	3	3.98
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	17	3.98
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	17	3.98
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	17	3.98
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	17	3.98
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	17	3.98
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	17	3.98
(1,833)	1:34:A:LEU:HD11	1:28:A:GLU:HA	10	3.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:34:A:LEU:HD12	1:28:A:GLU:HA	10	3.98
(1,833)	1:34:A:LEU:HD13	1:28:A:GLU:HA	10	3.98
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	3	3.98
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	3	3.98
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	3	3.98
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	5	3.98
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	5	3.98
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	5	3.98
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	1	3.98
(1,696)	1:26:A:SER:H	1:23:A:PRO:HB3	22	3.98
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	19	3.98
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	21	3.98
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	25	3.98
(1,559)	1:13:A:ILE:HG22	1:69:A:GLU:HA	5	3.98
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	6	3.98
(1,483)	1:70:A:GLU:HG3	1:68:A:ALA:H	2	3.98
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	1	3.98
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	1	3.98
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	17	3.98
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	17	3.98
(1,140)	1:44:A:SER:H	1:41:A:THR:H	12	3.98
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	22	3.98
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	22	3.98
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	7	3.98
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	7	3.98
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	7	3.98
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	16	3.98
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	16	3.98
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	16	3.98
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	25	3.97
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	5	3.97
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	11	3.97
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	19	3.97
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	19	3.97
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	23	3.97
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	23	3.97
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	23	3.97
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	20	3.97
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	20	3.97
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	20	3.97
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	20	3.97
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	20	3.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	20	3.97
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	24	3.97
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	24	3.97
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	24	3.97
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	6	3.97
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	21	3.97
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	9	3.97
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	18	3.97
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	21	3.97
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	25	3.97
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	14	3.97
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	14	3.97
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	14	3.97
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	14	3.97
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	14	3.97
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	14	3.97
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	18	3.97
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	18	3.97
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	18	3.97
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	18	3.97
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	18	3.97
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	18	3.97
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	20	3.97
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	24	3.97
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	24	3.97
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	24	3.97
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	24	3.97
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	24	3.97
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	24	3.97
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	5	3.97
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	13	3.97
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	23	3.97
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	3	3.97
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	3	3.97
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	3	3.97
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB1	2	3.97
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB2	2	3.97
(1,722)	1:62:A:ASP:HB3	1:68:A:ALA:HB3	2	3.97
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	3	3.97
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	22	3.97
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	24	3.97
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	14	3.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	14	3.97
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	18	3.97
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	3	3.96
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	11	3.96
(3,21)	1:26:A:SER:H	1:22:A:PHE:O	9	3.96
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	20	3.96
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	3	3.96
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	3	3.96
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	3	3.96
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	23	3.96
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	22	3.96
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	22	3.96
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	22	3.96
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	15	3.96
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD2	11	3.96
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	2	3.96
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	3	3.96
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	17	3.96
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	10	3.96
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	11	3.96
(1,737)	1:13:A:ILE:HD12	1:7:A:GLU:HA	21	3.96
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	10	3.96
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	10	3.96
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	17	3.96
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	5	3.96
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	5	3.96
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	13	3.96
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	25	3.96
(1,483)	1:70:A:GLU:HG3	1:68:A:ALA:H	9	3.96
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	18	3.96
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	18	3.96
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	18	3.96
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	5	3.96
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	5	3.96
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	17	3.96
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	14	3.96
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	14	3.96
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	14	3.96
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	2	3.96
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	2	3.96
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	2	3.96
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	21	3.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	1	3.95
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	15	3.95
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	9	3.95
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	5	3.95
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	5	3.95
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	5	3.95
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	1	3.95
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	1	3.95
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	1	3.95
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	20	3.95
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	13	3.95
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	13	3.95
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	13	3.95
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD21	22	3.95
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD22	22	3.95
(1,1032)	1:78:A:LYS:HA	1:81:A:LEU:HD23	22	3.95
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	1	3.95
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	6	3.95
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	23	3.95
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	6	3.95
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	6	3.95
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	6	3.95
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	16	3.95
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	16	3.95
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	16	3.95
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	5	3.95
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	3	3.95
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	3	3.95
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	24	3.95
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	24	3.95
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	24	3.95
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	16	3.95
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	18	3.95
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	18	3.95
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	18	3.95
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	21	3.95
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	23	3.95
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	23	3.95
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	12	3.95
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	3	3.95
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	16	3.94
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	10	3.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG22	15	3.94
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	13	3.94
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	9	3.94
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	14	3.94
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	4	3.94
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	4	3.94
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	4	3.94
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	1	3.94
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	18	3.94
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	6	3.94
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	6	3.94
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	6	3.94
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	6	3.94
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	6	3.94
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	6	3.94
(1,835)	1:40:A:THR:HG21	1:28:A:GLU:HA	16	3.94
(1,835)	1:40:A:THR:HG22	1:28:A:GLU:HA	16	3.94
(1,835)	1:40:A:THR:HG23	1:28:A:GLU:HA	16	3.94
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	4	3.94
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	25	3.94
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	12	3.94
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	12	3.94
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	12	3.94
(1,737)	1:13:A:ILE:HD11	1:7:A:GLU:HA	18	3.94
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	3	3.94
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	4	3.94
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	15	3.94
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	5	3.94
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	12	3.94
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	8	3.94
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	8	3.94
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	8	3.94
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	22	3.94
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	22	3.94
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	22	3.94
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	24	3.94
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	24	3.94
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	13	3.94
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	9	3.94
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	9	3.94
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	14	3.94
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	14	3.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	14	3.94
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	16	3.93
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	19	3.93
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	3	3.93
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	25	3.93
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	16	3.93
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	16	3.93
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	16	3.93
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	16	3.93
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	16	3.93
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	16	3.93
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	13	3.93
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	13	3.93
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	13	3.93
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	2	3.93
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	13	3.93
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	13	3.93
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	5	3.93
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	5	3.93
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	5	3.93
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	4	3.93
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	5	3.93
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	11	3.93
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	19	3.93
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	4	3.93
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	4	3.93
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	4	3.93
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	4	3.93
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	4	3.93
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	4	3.93
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	1	3.93
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	9	3.93
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	14	3.93
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	1	3.93
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	1	3.93
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	1	3.93
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	4	3.93
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	5	3.93
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	2	3.93
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	8	3.93
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	12	3.93
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	23	3.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	19	3.93
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	13	3.93
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	13	3.93
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	13	3.93
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	25	3.93
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	25	3.93
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	25	3.93
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	2	3.93
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	6	3.93
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	8	3.93
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	6	3.93
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	13	3.93
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	12	3.93
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	12	3.93
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	15	3.92
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	17	3.92
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	21	3.92
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	23	3.92
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	8	3.92
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	20	3.92
(1,1624)	1:51:A:ALA:HB2	1:72:A:ALA:HA	22	3.92
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	17	3.92
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	17	3.92
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	6	3.92
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	6	3.92
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	6	3.92
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	4	3.92
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	4	3.92
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	4	3.92
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	4	3.92
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	4	3.92
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	4	3.92
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	2	3.92
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD3	17	3.92
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	7	3.92
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	12	3.92
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	8	3.92
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	8	3.92
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	8	3.92
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	8	3.92
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	8	3.92
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	8	3.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	21	3.92
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	21	3.92
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	21	3.92
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	11	3.92
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	1	3.92
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	16	3.92
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	18	3.92
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	9	3.92
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	12	3.92
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	15	3.92
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB1	15	3.92
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB2	15	3.92
(1,537)	1:7:A:GLU:HA	1:16:A:ALA:HB3	15	3.92
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	3	3.92
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	3	3.92
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	7	3.92
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	7	3.92
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	15	3.92
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	15	3.92
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	10	3.92
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	10	3.92
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	10	3.92
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	1	3.92
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	20	3.92
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	5	3.91
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	6	3.91
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	22	3.91
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	12	3.91
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	17	3.91
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	10	3.91
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	15	3.91
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	10	3.91
(1,1624)	1:51:A:ALA:HB1	1:72:A:ALA:HA	15	3.91
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	7	3.91
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	7	3.91
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	7	3.91
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	7	3.91
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	7	3.91
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	7	3.91
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	22	3.91
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	3	3.91
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	8	3.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	8	3.91
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	8	3.91
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	3	3.91
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	3	3.91
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	3	3.91
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	3	3.91
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	3	3.91
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	3	3.91
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	16	3.91
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	16	3.91
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	16	3.91
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	16	3.91
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	16	3.91
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	16	3.91
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	11	3.91
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	11	3.91
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	11	3.91
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	23	3.91
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	10	3.91
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	10	3.91
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	10	3.91
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	6	3.91
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	6	3.91
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	6	3.91
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	6	3.91
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	6	3.91
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	6	3.91
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	7	3.91
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	21	3.91
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	4	3.91
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	4	3.91
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	4	3.91
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	9	3.91
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	13	3.91
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	25	3.91
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	25	3.91
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	18	3.91
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	21	3.91
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	17	3.91
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	18	3.91
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	18	3.91
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	21	3.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	21	3.91
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	3	3.91
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	3	3.91
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	3	3.91
(1,149)	1:9:A:ILE:HD11	1:41:A:THR:H	12	3.91
(1,149)	1:9:A:ILE:HD12	1:41:A:THR:H	12	3.91
(1,149)	1:9:A:ILE:HD13	1:41:A:THR:H	12	3.91
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	1	3.91
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	1	3.91
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	1	3.91
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	7	3.9
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	12	3.9
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	25	3.9
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	23	3.9
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	10	3.9
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	10	3.9
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	10	3.9
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	10	3.9
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	10	3.9
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	10	3.9
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	15	3.9
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	15	3.9
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	15	3.9
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	15	3.9
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	15	3.9
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	15	3.9
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	20	3.9
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	20	3.9
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	9	3.9
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	9	3.9
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	9	3.9
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	2	3.9
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	2	3.9
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	2	3.9
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	2	3.9
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	2	3.9
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	2	3.9
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	17	3.9
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	17	3.9
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	17	3.9
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	17	3.9
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	17	3.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	17	3.9
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	12	3.9
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	12	3.9
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	12	3.9
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	3	3.9
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD2	4	3.9
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD2	5	3.9
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD12	1	3.9
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	5	3.9
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD12	16	3.9
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	15	3.9
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	15	3.9
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	12	3.9
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	12	3.9
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	12	3.9
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	12	3.9
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	12	3.9
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	12	3.9
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	12	3.9
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	17	3.9
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	10	3.9
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	10	3.9
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	10	3.9
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	15	3.9
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	6	3.9
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	1	3.9
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	10	3.9
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	16	3.9
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	16	3.9
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	17	3.9
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	17	3.9
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	17	3.9
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	1	3.9
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	14	3.9
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	17	3.9
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	24	3.9
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	5	3.9
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	5	3.9
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	5	3.9
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	11	3.9
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	11	3.9
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	11	3.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	20	3.9
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	20	3.9
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	20	3.9
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	7	3.9
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	7	3.9
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	7	3.9
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	24	3.89
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	9	3.89
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	10	3.89
(1,1842)	1:13:A:ILE:HG22	1:65:A:PHE:HB3	25	3.89
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG23	21	3.89
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	1	3.89
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	3	3.89
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	3	3.89
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	3	3.89
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	3	3.89
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	3	3.89
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	3	3.89
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	20	3.89
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	16	3.89
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	16	3.89
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	18	3.89
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	18	3.89
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	18	3.89
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	18	3.89
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	18	3.89
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	18	3.89
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	23	3.89
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	23	3.89
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	23	3.89
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	23	3.89
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	23	3.89
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	23	3.89
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	22	3.89
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	10	3.89
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	8	3.89
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	1	3.89
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	1	3.89
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	8	3.89
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	8	3.89
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	8	3.89
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	25	3.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	14	3.89
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	14	3.89
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	14	3.89
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	7	3.89
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	7	3.89
(1,559)	1:13:A:ILE:HG22	1:69:A:GLU:HA	10	3.89
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	5	3.89
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	5	3.89
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	5	3.89
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	11	3.89
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	11	3.89
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	25	3.89
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	25	3.89
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	21	3.89
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	21	3.89
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	21	3.89
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	14	3.88
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	24	3.88
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG23	17	3.88
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	20	3.88
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG22	25	3.88
(1,1689)	1:81:A:LEU:HD12	1:73:A:ASP:HA	13	3.88
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	14	3.88
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	14	3.88
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	14	3.88
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	14	3.88
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	14	3.88
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	14	3.88
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	23	3.88
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	23	3.88
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	23	3.88
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	23	3.88
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	23	3.88
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	23	3.88
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	1	3.88
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	1	3.88
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	1	3.88
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	1	3.88
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	1	3.88
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	1	3.88
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	5	3.88
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	5	3.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	5	3.88
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	5	3.88
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	5	3.88
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	5	3.88
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	24	3.88
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	24	3.88
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	24	3.88
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	24	3.88
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	24	3.88
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	24	3.88
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA2	24	3.88
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA3	24	3.88
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	13	3.88
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	13	3.88
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	15	3.88
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	15	3.88
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	23	3.88
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	23	3.88
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	23	3.88
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	23	3.88
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	23	3.88
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	23	3.88
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	17	3.88
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	17	3.88
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	17	3.88
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	15	3.88
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	15	3.88
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	24	3.88
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	6	3.88
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	6	3.88
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	6	3.88
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	11	3.88
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	22	3.88
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	10	3.88
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	10	3.88
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	10	3.88
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	24	3.88
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	24	3.88
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	24	3.88
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	2	3.87
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	18	3.87
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	20	3.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	6	3.87
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG22	8	3.87
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG23	9	3.87
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	19	3.87
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB2	7	3.87
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	17	3.87
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	17	3.87
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	17	3.87
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	17	3.87
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	17	3.87
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	17	3.87
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	21	3.87
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	21	3.87
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	21	3.87
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	21	3.87
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	21	3.87
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	21	3.87
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	25	3.87
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	25	3.87
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	25	3.87
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	25	3.87
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	25	3.87
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	25	3.87
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD11	22	3.87
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD12	22	3.87
(1,1034)	1:78:A:LYS:HB2	1:81:A:LEU:HD13	22	3.87
(1,1000)	1:20:A:ALA:HB3	1:23:A:PRO:HD3	13	3.87
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	17	3.87
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	8	3.87
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	8	3.87
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	20	3.87
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	20	3.87
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	2	3.87
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	2	3.87
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	2	3.87
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	10	3.87
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	10	3.87
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	10	3.87
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	2	3.87
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	13	3.87
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	19	3.87
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	19	3.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	19	3.87
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	18	3.87
(1,737)	1:13:A:ILE:HD11	1:7:A:GLU:HA	3	3.87
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	5	3.87
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	5	3.87
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	5	3.87
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	5	3.87
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	5	3.87
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	5	3.87
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	7	3.87
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	17	3.87
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	21	3.87
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	8	3.87
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	8	3.87
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	15	3.87
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	15	3.87
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	15	3.87
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	19	3.87
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	10	3.87
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	15	3.87
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	14	3.87
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	25	3.87
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	25	3.87
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	25	3.87
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	6	3.86
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	13	3.86
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	15	3.86
(1,1859)	1:9:A:ILE:HG22	1:7:A:GLU:HG3	7	3.86
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG22	7	3.86
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	20	3.86
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	20	3.86
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	20	3.86
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	20	3.86
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	20	3.86
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	20	3.86
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	20	3.86
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	20	3.86
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	20	3.86
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	20	3.86
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	20	3.86
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	20	3.86
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	9	3.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	9	3.86
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	9	3.86
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	9	3.86
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	9	3.86
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	9	3.86
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	14	3.86
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	9	3.86
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	9	3.86
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	12	3.86
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	12	3.86
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	12	3.86
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	12	3.86
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	12	3.86
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	12	3.86
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	6	3.86
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	9	3.86
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	16	3.86
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	4	3.86
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	4	3.86
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	12	3.86
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	7	3.86
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	10	3.86
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	23	3.86
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	6	3.86
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	6	3.86
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	6	3.86
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	24	3.86
(1,1859)	1:9:A:ILE:HG22	1:7:A:GLU:HG2	19	3.85
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	7	3.85
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	1	3.85
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	14	3.85
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	12	3.85
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	12	3.85
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	12	3.85
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	12	3.85
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	12	3.85
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	12	3.85
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	13	3.85
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	13	3.85
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	13	3.85
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	13	3.85
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	13	3.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	13	3.85
(1,1130)	1:24:A:ILE:HD11	1:21:A:ASP:HA	16	3.85
(1,1130)	1:24:A:ILE:HD12	1:21:A:ASP:HA	16	3.85
(1,1130)	1:24:A:ILE:HD13	1:21:A:ASP:HA	16	3.85
(1,965)	1:20:A:ALA:HA	1:23:A:PRO:HG2	20	3.85
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	20	3.85
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	16	3.85
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	3	3.85
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	3	3.85
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	22	3.85
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	22	3.85
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	12	3.85
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	19	3.85
(1,584)	1:70:A:GLU:HG3	1:63:A:PHE:HA	11	3.85
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	12	3.85
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	12	3.85
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	12	3.85
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	14	3.85
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	14	3.85
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	25	3.85
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	25	3.85
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	25	3.85
(3,39)	1:69:A:GLU:N	1:65:A:PHE:O	11	3.84
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	8	3.84
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	3	3.84
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG3	4	3.84
(1,1859)	1:9:A:ILE:HG22	1:7:A:GLU:HG2	12	3.84
(1,1859)	1:9:A:ILE:HG22	1:7:A:GLU:HG2	16	3.84
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	19	3.84
(1,1749)	1:14:A:ILE:HD13	1:7:A:GLU:HG2	17	3.84
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	1	3.84
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	1	3.84
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	1	3.84
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	1	3.84
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	1	3.84
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	1	3.84
(1,1525)	1:30:A:LEU:HD23	1:65:A:PHE:HA	13	3.84
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	4	3.84
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	18	3.84
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	18	3.84
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	18	3.84
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	23	3.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	2	3.84
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	2	3.84
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	4	3.84
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	6	3.84
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	25	3.84
(1,926)	1:10:A:ARG:HD2	1:7:A:GLU:HG3	14	3.84
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD2	8	3.84
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	23	3.84
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	2	3.84
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	2	3.84
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	2	3.84
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	15	3.84
(1,737)	1:13:A:ILE:HD11	1:7:A:GLU:HA	17	3.84
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	9	3.84
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	9	3.84
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	9	3.84
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	4	3.84
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	5	3.84
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	17	3.84
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	17	3.84
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	17	3.84
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	22	3.84
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	1	3.84
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	1	3.84
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	1	3.84
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	1	3.84
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	1	3.84
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	12	3.84
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	12	3.84
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	12	3.84
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	22	3.84
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG3	9	3.83
(1,1842)	1:13:A:ILE:HG22	1:65:A:PHE:HB3	22	3.83
(1,1751)	1:25:A:ASN:HA	1:31:A:MET:HE2	9	3.83
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD12	4	3.83
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	3	3.83
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	3	3.83
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	3	3.83
(1,1525)	1:30:A:LEU:HD22	1:65:A:PHE:HA	9	3.83
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	18	3.83
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	6	3.83
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	6	3.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	6	3.83
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	6	3.83
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	6	3.83
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	6	3.83
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	15	3.83
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	15	3.83
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	15	3.83
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	15	3.83
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	15	3.83
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	15	3.83
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD12	23	3.83
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	2	3.83
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	17	3.83
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	18	3.83
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	7	3.83
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	7	3.83
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	7	3.83
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	16	3.83
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	16	3.83
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	16	3.83
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	16	3.83
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	16	3.83
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	16	3.83
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	6	3.83
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	4	3.83
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	4	3.83
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	4	3.83
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	9	3.83
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	6	3.83
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	6	3.83
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	6	3.83
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	18	3.83
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	18	3.83
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	18	3.83
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	9	3.83
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	15	3.83
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	6	3.82
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD11	19	3.82
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG23	16	3.82
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	21	3.82
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	21	3.82
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	21	3.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	21	3.82
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	21	3.82
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	21	3.82
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA2	20	3.82
(1,1170)	1:22:A:PHE:HD1	1:19:A:GLY:HA3	20	3.82
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA2	20	3.82
(1,1170)	1:22:A:PHE:HD2	1:19:A:GLY:HA3	20	3.82
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	7	3.82
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	7	3.82
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	7	3.82
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	7	3.82
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	7	3.82
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	7	3.82
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	8	3.82
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	8	3.82
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	8	3.82
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	8	3.82
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	8	3.82
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	8	3.82
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	7	3.82
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	7	3.82
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	7	3.82
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	22	3.82
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	24	3.82
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	20	3.82
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	20	3.82
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	3	3.82
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	24	3.82
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	7	3.82
(1,630)	1:56:A:GLN:H	1:62:A:ASP:HB3	1	3.82
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	21	3.82
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	21	3.82
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	21	3.82
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	24	3.82
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	24	3.82
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	24	3.82
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	5	3.82
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	7	3.82
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	7	3.82
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	3	3.82
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	19	3.82
(1,1859)	1:9:A:ILE:HG23	1:7:A:GLU:HG3	1	3.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:13:A:ILE:HG23	1:65:A:PHE:HB3	21	3.81
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	25	3.81
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG21	3	3.81
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG23	4	3.81
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG3	6	3.81
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	25	3.81
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	25	3.81
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	25	3.81
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	25	3.81
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	25	3.81
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	25	3.81
(1,1525)	1:30:A:LEU:HD23	1:65:A:PHE:HA	2	3.81
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	12	3.81
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	12	3.81
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	13	3.81
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	13	3.81
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	12	3.81
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	22	3.81
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	22	3.81
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	19	3.81
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	19	3.81
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	11	3.81
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	11	3.81
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	11	3.81
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	5	3.81
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	25	3.81
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	9	3.81
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	4	3.81
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	4	3.81
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	12	3.81
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	12	3.81
(1,554)	1:68:A:ALA:H	1:65:A:PHE:HA	3	3.81
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	13	3.81
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	3	3.81
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	3	3.81
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	3	3.81
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	4	3.81
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	6	3.81
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	22	3.81
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	22	3.81
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	22	3.81
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	16	3.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	25	3.81
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	4	3.8
(1,1859)	1:9:A:ILE:HG23	1:7:A:GLU:HG3	8	3.8
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	24	3.8
(1,1689)	1:81:A:LEU:HD13	1:73:A:ASP:HA	11	3.8
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG23	3	3.8
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	25	3.8
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	13	3.8
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	13	3.8
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	13	3.8
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	1	3.8
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	1	3.8
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	18	3.8
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	18	3.8
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	13	3.8
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	13	3.8
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	13	3.8
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	12	3.8
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	17	3.8
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	18	3.8
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	25	3.8
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	18	3.8
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	18	3.8
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	2	3.8
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	2	3.8
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	1	3.8
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	16	3.8
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	12	3.8
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	12	3.8
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	12	3.8
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	16	3.8
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	16	3.8
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	16	3.8
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	2	3.8
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	23	3.8
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	2	3.8
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	8	3.8
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	11	3.79
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	11	3.79
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	11	3.79
(1,1525)	1:30:A:LEU:HD23	1:65:A:PHE:HA	6	3.79
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	16	3.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	17	3.79
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	9	3.79
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	20	3.79
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	20	3.79
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	24	3.79
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	24	3.79
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	24	3.79
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	9	3.79
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	9	3.79
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	9	3.79
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	9	3.79
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	9	3.79
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	9	3.79
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	17	3.79
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	13	3.79
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	13	3.79
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	20	3.79
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	24	3.79
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	11	3.79
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	11	3.79
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	11	3.79
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	10	3.79
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	7	3.79
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	11	3.79
(3,25)	1:28:A:GLU:N	1:24:A:ILE:O	22	3.78
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	16	3.78
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	11	3.78
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	22	3.78
(1,1733)	1:34:A:LEU:HD12	1:27:A:PRO:HG3	22	3.78
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	23	3.78
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	23	3.78
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	23	3.78
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	6	3.78
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	6	3.78
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	6	3.78
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	6	3.78
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	6	3.78
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	6	3.78
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	12	3.78
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	12	3.78
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	12	3.78
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	12	3.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	12	3.78
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	12	3.78
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	12	3.78
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	20	3.78
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	20	3.78
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	20	3.78
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	25	3.78
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	25	3.78
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	2	3.78
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	2	3.78
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	2	3.78
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	19	3.78
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	19	3.78
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	19	3.78
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	5	3.78
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	5	3.78
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	5	3.78
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	3	3.78
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	3	3.78
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	3	3.78
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	23	3.78
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD3	8	3.78
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD12	24	3.78
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	16	3.78
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	16	3.78
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	18	3.78
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	18	3.78
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	14	3.78
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	14	3.78
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	14	3.78
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	14	3.78
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	14	3.78
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	14	3.78
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	22	3.78
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	18	3.78
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	21	3.78
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	23	3.78
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	23	3.78
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	11	3.78
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	11	3.78
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	11	3.78
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	8	3.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	5	3.78
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	5	3.78
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	5	3.78
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	10	3.77
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	21	3.77
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	10	3.77
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	19	3.77
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	13	3.77
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	22	3.77
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	22	3.77
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	22	3.77
(1,1059)	1:35:A:PRO:HD2	1:31:A:MET:HB3	9	3.77
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	7	3.77
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	17	3.77
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	14	3.77
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	22	3.77
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	9	3.77
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	9	3.77
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	1	3.77
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	21	3.77
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	10	3.77
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	12	3.77
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	17	3.77
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	17	3.77
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	17	3.77
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	2	3.77
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	14	3.77
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	23	3.77
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	24	3.76
(1,1749)	1:14:A:ILE:HD12	1:7:A:GLU:HG2	21	3.76
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	12	3.76
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD2	17	3.76
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	14	3.76
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	14	3.76
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	14	3.76
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	21	3.76
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	10	3.76
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	24	3.76
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	24	3.76
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	1	3.76
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	1	3.76
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	1	3.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	8	3.76
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	8	3.76
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	8	3.76
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	8	3.76
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	8	3.76
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	8	3.76
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD2	25	3.76
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD12	15	3.76
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	25	3.76
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	25	3.76
(1,737)	1:13:A:ILE:HD11	1:7:A:GLU:HA	20	3.76
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	1	3.76
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	1	3.76
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	1	3.76
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	8	3.76
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	8	3.76
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	8	3.76
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	11	3.76
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	25	3.76
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	10	3.76
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	10	3.76
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	10	3.76
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	19	3.76
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	6	3.76
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	11	3.76
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	11	3.76
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	11	3.76
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	11	3.76
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	20	3.75
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	12	3.75
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB2	8	3.75
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG23	13	3.75
(1,1185)	1:22:A:PHE:HD1	1:18:A:ALA:HB2	8	3.75
(1,1185)	1:22:A:PHE:HD2	1:18:A:ALA:HB2	8	3.75
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	9	3.75
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	9	3.75
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	4	3.75
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	4	3.75
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	4	3.75
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	16	3.75
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	7	3.75
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	2	3.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	19	3.75
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	21	3.75
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	24	3.75
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	8	3.75
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	8	3.75
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	8	3.75
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	5	3.75
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	5	3.75
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	5	3.75
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	5	3.75
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	5	3.75
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	5	3.75
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	7	3.75
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	7	3.75
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	7	3.75
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	7	3.75
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	7	3.75
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	7	3.75
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	9	3.75
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	15	3.75
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	10	3.75
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	10	3.75
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	17	3.75
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	17	3.75
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	8	3.75
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	8	3.75
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	17	3.75
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	17	3.75
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	17	3.75
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	17	3.75
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	17	3.75
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	17	3.75
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	22	3.75
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	20	3.75
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	19	3.75
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	19	3.75
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	10	3.75
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	10	3.75
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	18	3.75
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	18	3.75
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	1	3.75
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	25	3.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:17:A:LEU:HB2	1:28:A:GLU:H	22	3.75
(1,344)	1:17:A:LEU:HB3	1:28:A:GLU:H	22	3.75
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	17	3.75
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	21	3.75
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	18	3.75
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	4	3.74
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	21	3.74
(1,1689)	1:81:A:LEU:HD13	1:73:A:ASP:HA	9	3.74
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	1	3.74
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	24	3.74
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	24	3.74
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	24	3.74
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	24	3.74
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	24	3.74
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	24	3.74
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	24	3.74
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	6	3.74
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	6	3.74
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	16	3.74
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	16	3.74
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	16	3.74
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	16	3.74
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	16	3.74
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	16	3.74
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	17	3.74
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	17	3.74
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	17	3.74
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	17	3.74
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	17	3.74
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	17	3.74
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD2	6	3.74
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	16	3.74
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	7	3.74
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	7	3.74
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	7	3.74
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	9	3.74
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	9	3.74
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	16	3.74
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	16	3.74
(1,713)	1:41:A:THR:HA	1:44:A:SER:HB2	16	3.74
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	20	3.74
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	20	3.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	20	3.74
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	20	3.74
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	20	3.74
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	20	3.74
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	2	3.74
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	10	3.74
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	3	3.74
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	7	3.74
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	20	3.74
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	24	3.74
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	10	3.74
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD11	22	3.73
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	18	3.73
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG21	1	3.73
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG23	14	3.73
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB2	18	3.73
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	10	3.73
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	17	3.73
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG3	25	3.73
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG3	25	3.73
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG3	25	3.73
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	11	3.73
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	11	3.73
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	21	3.73
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	21	3.73
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	19	3.73
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	13	3.73
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	6	3.73
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	6	3.73
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	6	3.73
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	6	3.73
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	6	3.73
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	6	3.73
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	11	3.73
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	11	3.73
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	11	3.73
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	11	3.73
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	11	3.73
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	11	3.73
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	19	3.73
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	19	3.73
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	19	3.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	19	3.73
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	19	3.73
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	19	3.73
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	16	3.73
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	15	3.73
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	23	3.73
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	18	3.73
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	18	3.73
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	18	3.73
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	18	3.73
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	18	3.73
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	18	3.73
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	5	3.73
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	18	3.73
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	8	3.73
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	8	3.73
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	1	3.73
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	2	3.73
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	8	3.73
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	14	3.73
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	16	3.73
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	19	3.73
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	2	3.73
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	19	3.73
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	11	3.73
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	11	3.73
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	15	3.73
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	15	3.73
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	15	3.73
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	9	3.73
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	19	3.72
(1,1859)	1:9:A:ILE:HG23	1:7:A:GLU:HG2	6	3.72
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	8	3.72
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	8	3.72
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	8	3.72
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	20	3.72
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	20	3.72
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	20	3.72
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	17	3.72
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	17	3.72
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	17	3.72
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	17	3.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	17	3.72
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	17	3.72
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	18	3.72
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	18	3.72
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	18	3.72
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	18	3.72
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	18	3.72
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	18	3.72
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	24	3.72
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	23	3.72
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	23	3.72
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	6	3.72
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	6	3.72
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	6	3.72
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	10	3.72
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	10	3.72
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	7	3.72
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	7	3.72
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	7	3.72
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	2	3.72
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	2	3.72
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	2	3.72
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	2	3.72
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	2	3.72
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	2	3.72
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	10	3.72
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	10	3.72
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	10	3.72
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	10	3.72
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	10	3.72
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	10	3.72
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	8	3.72
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	8	3.72
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	8	3.72
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	8	3.72
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	8	3.72
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	8	3.72
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	9	3.72
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	9	3.72
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	9	3.72
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	22	3.72
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	22	3.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	23	3.72
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	15	3.72
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	20	3.72
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	12	3.72
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	14	3.71
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG21	2	3.71
(1,1689)	1:81:A:LEU:HD12	1:73:A:ASP:HA	7	3.71
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB2	10	3.71
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	1	3.71
(1,1525)	1:30:A:LEU:HD23	1:65:A:PHE:HA	15	3.71
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	18	3.71
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	18	3.71
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	18	3.71
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	18	3.71
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	18	3.71
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	18	3.71
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	21	3.71
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	21	3.71
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	8	3.71
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	20	3.71
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	19	3.71
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	23	3.71
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	15	3.71
(1,926)	1:10:A:ARG:HD2	1:7:A:GLU:HG3	25	3.71
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	3	3.71
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	3	3.71
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	19	3.71
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	19	3.71
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	20	3.71
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	20	3.71
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	20	3.71
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	20	3.71
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	20	3.71
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	20	3.71
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG3	13	3.71
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG3	13	3.71
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	9	3.71
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	9	3.71
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	9	3.71
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG21	13	3.71
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG22	13	3.71
(1,789)	1:77:A:ASN:HB2	1:71:A:VAL:HG23	13	3.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	20	3.71
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	20	3.71
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	7	3.71
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	8	3.71
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	6	3.71
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	12	3.71
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	10	3.71
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	15	3.71
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	25	3.71
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	3	3.71
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	3	3.71
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	17	3.71
(1,1842)	1:13:A:ILE:HG23	1:65:A:PHE:HB3	17	3.7
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD13	12	3.7
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD13	23	3.7
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	2	3.7
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	25	3.7
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	15	3.7
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	15	3.7
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	17	3.7
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	17	3.7
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	8	3.7
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	8	3.7
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	8	3.7
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	9	3.7
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	9	3.7
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	9	3.7
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	22	3.7
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	22	3.7
(1,1061)	1:35:A:PRO:HD3	1:31:A:MET:HB3	17	3.7
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	9	3.7
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	13	3.7
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG3	20	3.7
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG3	22	3.7
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	8	3.7
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	8	3.7
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	8	3.7
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	15	3.7
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	15	3.7
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	15	3.7
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	15	3.7
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	15	3.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	15	3.7
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	3	3.7
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	15	3.7
(1,737)	1:13:A:ILE:HD13	1:7:A:GLU:HA	22	3.7
(1,737)	1:13:A:ILE:HD11	1:7:A:GLU:HA	25	3.7
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	1	3.7
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	1	3.7
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	1	3.7
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	1	3.7
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	1	3.7
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	1	3.7
(1,664)	1:48:A:GLU:HB2	1:40:A:THR:HA	13	3.7
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	13	3.7
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	13	3.7
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	13	3.7
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	7	3.7
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	7	3.7
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	2	3.7
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	14	3.7
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	15	3.7
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	25	3.7
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	5	3.7
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	13	3.7
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	18	3.7
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	24	3.7
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	22	3.7
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	14	3.69
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	23	3.69
(1,1859)	1:9:A:ILE:HG22	1:7:A:GLU:HG2	3	3.69
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG2	5	3.69
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	12	3.69
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB2	3	3.69
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	1	3.69
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	1	3.69
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	1	3.69
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	18	3.69
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	18	3.69
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	18	3.69
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG22	20	3.69
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	5	3.69
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	5	3.69
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	5	3.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	5	3.69
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	5	3.69
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	5	3.69
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	15	3.69
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	15	3.69
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	15	3.69
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	15	3.69
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	15	3.69
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	15	3.69
(1,1525)	1:30:A:LEU:HD22	1:65:A:PHE:HA	8	3.69
(1,1525)	1:30:A:LEU:HD23	1:65:A:PHE:HA	11	3.69
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	19	3.69
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	19	3.69
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	10	3.69
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	10	3.69
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	10	3.69
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	13	3.69
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	24	3.69
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD12	19	3.69
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	4	3.69
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	7	3.69
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	10	3.69
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	10	3.69
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	11	3.69
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	11	3.69
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	11	3.69
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	22	3.69
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	5	3.69
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	15	3.69
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	15	3.69
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	15	3.69
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	15	3.69
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	15	3.69
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	15	3.69
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	2	3.69
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	2	3.69
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	2	3.69
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	1	3.69
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	1	3.69
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	16	3.69
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	16	3.69
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	19	3.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	19	3.69
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	14	3.69
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	14	3.69
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	14	3.69
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	3	3.69
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	4	3.69
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	9	3.69
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	17	3.69
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	22	3.69
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	23	3.69
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	23	3.69
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	14	3.69
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	14	3.69
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	16	3.69
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	16	3.69
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	24	3.69
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	24	3.69
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	1	3.69
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	21	3.69
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	14	3.68
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG23	11	3.68
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG22	19	3.68
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD12	13	3.68
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	14	3.68
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	1	3.68
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB2	5	3.68
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	23	3.68
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	11	3.68
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	11	3.68
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	11	3.68
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	11	3.68
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	11	3.68
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	11	3.68
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	7	3.68
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	7	3.68
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	7	3.68
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	14	3.68
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	14	3.68
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	14	3.68
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	20	3.68
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	20	3.68
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	20	3.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	19	3.68
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	19	3.68
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	19	3.68
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	19	3.68
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	19	3.68
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	19	3.68
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	5	3.68
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	15	3.68
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD2	9	3.68
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	22	3.68
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	5	3.68
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	12	3.68
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	6	3.68
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	6	3.68
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	21	3.68
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	21	3.68
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	21	3.68
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	21	3.68
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	21	3.68
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	21	3.68
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	13	3.68
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	13	3.68
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	13	3.68
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	18	3.68
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	18	3.68
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	18	3.68
(1,826)	1:27:A:PRO:HG3	1:24:A:ILE:HA	20	3.68
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	21	3.68
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	23	3.68
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	22	3.68
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	22	3.68
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	22	3.68
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	22	3.68
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	22	3.68
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	22	3.68
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	3	3.68
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	3	3.68
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	14	3.68
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	14	3.68
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	14	3.68
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	10	3.68
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	10	3.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	10	3.68
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	10	3.68
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	8	3.68
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	1	3.68
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	4	3.68
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	23	3.68
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	23	3.68
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	23	3.68
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	6	3.68
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	24	3.68
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	25	3.67
(1,1842)	1:13:A:ILE:HG22	1:65:A:PHE:HB3	15	3.67
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG21	13	3.67
(1,1733)	1:34:A:LEU:HD12	1:27:A:PRO:HG3	24	3.67
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	14	3.67
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	14	3.67
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	3	3.67
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	3	3.67
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	3	3.67
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	12	3.67
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	12	3.67
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	12	3.67
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	25	3.67
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	25	3.67
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	25	3.67
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	25	3.67
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	25	3.67
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	25	3.67
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	9	3.67
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	1	3.67
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	10	3.67
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	10	3.67
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	10	3.67
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	10	3.67
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	10	3.67
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	10	3.67
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	21	3.67
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	21	3.67
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	21	3.67
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	21	3.67
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	21	3.67
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	21	3.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD3	10	3.67
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	1	3.67
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	15	3.67
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	17	3.67
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	17	3.67
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	17	3.67
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	5	3.67
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	5	3.67
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	5	3.67
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	5	3.67
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	5	3.67
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	5	3.67
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	21	3.67
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	21	3.67
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	21	3.67
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	21	3.67
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	21	3.67
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	21	3.67
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	8	3.67
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	5	3.67
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	5	3.67
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	5	3.67
(1,446)	1:23:A:PRO:HA	1:26:A:SER:H	7	3.67
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	22	3.67
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	22	3.67
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	22	3.67
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	4	3.67
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	23	3.66
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	3	3.66
(1,1733)	1:34:A:LEU:HD13	1:27:A:PRO:HG3	8	3.66
(1,1733)	1:34:A:LEU:HD12	1:27:A:PRO:HG3	11	3.66
(1,1543)	1:41:A:THR:HG21	1:39:A:ASP:HB2	20	3.66
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	22	3.66
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	22	3.66
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	22	3.66
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	22	3.66
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	22	3.66
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	22	3.66
(1,1346)	1:13:A:ILE:HD11	1:7:A:GLU:HG2	15	3.66
(1,1346)	1:13:A:ILE:HD12	1:7:A:GLU:HG2	15	3.66
(1,1346)	1:13:A:ILE:HD13	1:7:A:GLU:HG2	15	3.66
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	1	3.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	1	3.66
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	7	3.66
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	7	3.66
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	11	3.66
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	11	3.66
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	18	3.66
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	22	3.66
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	22	3.66
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	20	3.66
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	20	3.66
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	10	3.66
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	25	3.66
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	18	3.66
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	12	3.66
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	12	3.66
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	12	3.66
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	12	3.66
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	12	3.66
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	12	3.66
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD2	12	3.66
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	4	3.66
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	3	3.66
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	14	3.66
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	14	3.66
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	5	3.66
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	20	3.66
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	20	3.66
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	18	3.66
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	18	3.66
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	18	3.66
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	13	3.66
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	21	3.66
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	21	3.66
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	18	3.66
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	18	3.66
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	18	3.66
(1,349)	1:36:A:ASN:HA	1:33:A:ALA:H	20	3.66
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	3	3.66
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	10	3.66
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	19	3.65
(1,1859)	1:9:A:ILE:HG23	1:7:A:GLU:HG2	10	3.65
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	19	3.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	13	3.65
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	13	3.65
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	13	3.65
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	16	3.65
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	16	3.65
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	16	3.65
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	16	3.65
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	6	3.65
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	6	3.65
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	6	3.65
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	6	3.65
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	6	3.65
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	6	3.65
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	24	3.65
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	1	3.65
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	1	3.65
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	1	3.65
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	12	3.65
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	12	3.65
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	12	3.65
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	11	3.65
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	11	3.65
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	1	3.65
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	1	3.65
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	1	3.65
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	1	3.65
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	1	3.65
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	1	3.65
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	4	3.65
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	3	3.65
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	6	3.65
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	13	3.65
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	13	3.65
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	13	3.65
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	13	3.65
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	13	3.65
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	13	3.65
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	8	3.65
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	8	3.65
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	8	3.65
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	9	3.65
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	15	3.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	15	3.65
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	2	3.65
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	2	3.65
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	2	3.65
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	5	3.65
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	12	3.65
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	12	3.65
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	11	3.64
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG2	23	3.64
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	17	3.64
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD13	4	3.64
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD11	14	3.64
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	15	3.64
(1,1624)	1:51:A:ALA:HB1	1:72:A:ALA:HA	2	3.64
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	21	3.64
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	21	3.64
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	21	3.64
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG22	18	3.64
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	1	3.64
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	1	3.64
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	8	3.64
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	8	3.64
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	1	3.64
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	1	3.64
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	1	3.64
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	25	3.64
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	11	3.64
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	11	3.64
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	11	3.64
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	11	3.64
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	11	3.64
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	11	3.64
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	19	3.64
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	19	3.64
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	19	3.64
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	3	3.64
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD2	3	3.64
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD2	14	3.64
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	3	3.64
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	3	3.64
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	6	3.64
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	24	3.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	24	3.64
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	24	3.64
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	25	3.64
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	25	3.64
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	5	3.64
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	5	3.64
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	5	3.64
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	14	3.64
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	14	3.64
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD2	9	3.64
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	3	3.64
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	3	3.64
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	3	3.64
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	3	3.64
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	3	3.64
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	3	3.64
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	10	3.64
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	10	3.64
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	10	3.64
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	10	3.64
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	10	3.64
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	10	3.64
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	9	3.64
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	9	3.64
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	24	3.64
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	24	3.64
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	25	3.64
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	25	3.64
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	13	3.64
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	19	3.64
(1,289)	1:7:A:GLU:HG3	1:4:A:GLY:H	2	3.64
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	14	3.64
(1,46)	1:14:A:ILE:HD11	1:65:A:PHE:H	24	3.64
(1,46)	1:14:A:ILE:HD12	1:65:A:PHE:H	24	3.64
(1,46)	1:14:A:ILE:HD13	1:65:A:PHE:H	24	3.64
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	7	3.64
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	21	3.63
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	21	3.63
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	14	3.63
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	5	3.63
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	3	3.63
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	18	3.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	15	3.63
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	14	3.63
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	14	3.63
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	14	3.63
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	14	3.63
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	14	3.63
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	14	3.63
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD2	22	3.63
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	2	3.63
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	13	3.63
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	13	3.63
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	13	3.63
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	13	3.63
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	13	3.63
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	20	3.63
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	20	3.63
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	13	3.63
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	17	3.63
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	10	3.63
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	10	3.63
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	23	3.63
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	23	3.63
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	3	3.63
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	3	3.63
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	3	3.63
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	13	3.63
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD13	14	3.62
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	5	3.62
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	22	3.62
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	11	3.62
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG22	10	3.62
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	9	3.62
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	11	3.62
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	11	3.62
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	11	3.62
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	11	3.62
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	11	3.62
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	11	3.62
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	25	3.62
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	25	3.62
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	21	3.62
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	21	3.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	21	3.62
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	21	3.62
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	21	3.62
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	21	3.62
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	22	3.62
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	22	3.62
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	22	3.62
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	22	3.62
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	22	3.62
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	22	3.62
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	3	3.62
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	16	3.62
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	16	3.62
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD3	23	3.62
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	24	3.62
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	3	3.62
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	6	3.62
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	6	3.62
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	6	3.62
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	11	3.62
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	14	3.62
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	7	3.62
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	7	3.62
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	7	3.62
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	7	3.62
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	19	3.62
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	2	3.62
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	2	3.62
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB2	13	3.62
(1,564)	1:11:A:GLY:H	1:69:A:GLU:HB3	13	3.62
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	17	3.62
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	17	3.62
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	7	3.62
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	7	3.62
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	7	3.62
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	19	3.62
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	19	3.62
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	19	3.62
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	12	3.62
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	12	3.62
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	12	3.62
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	19	3.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	18	3.62
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	5	3.62
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	17	3.62
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	17	3.61
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	24	3.61
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	24	3.61
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	24	3.61
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	21	3.61
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	21	3.61
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	21	3.61
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	14	3.61
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	14	3.61
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	14	3.61
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	14	3.61
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	14	3.61
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	14	3.61
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	25	3.61
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	14	3.61
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	14	3.61
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	14	3.61
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	1	3.61
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	18	3.61
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	20	3.61
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	23	3.61
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	4	3.61
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	15	3.61
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	15	3.61
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	15	3.61
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	15	3.61
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	15	3.61
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	15	3.61
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	25	3.61
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	25	3.61
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	25	3.61
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	25	3.61
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	25	3.61
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	25	3.61
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	10	3.61
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	12	3.61
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	12	3.61
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	12	3.61
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	19	3.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	19	3.61
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	19	3.61
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	23	3.61
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	23	3.61
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	23	3.61
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	23	3.61
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	23	3.61
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	23	3.61
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	5	3.61
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	5	3.61
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	21	3.61
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	7	3.61
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	13	3.61
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	16	3.61
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG2	21	3.6
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD11	24	3.6
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD13	11	3.6
(1,1733)	1:34:A:LEU:HD13	1:27:A:PRO:HG3	25	3.6
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	18	3.6
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG22	22	3.6
(1,1397)	1:9:A:ILE:HG22	1:7:A:GLU:H	16	3.6
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	10	3.6
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	25	3.6
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	25	3.6
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	25	3.6
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB2	10	3.6
(1,1133)	1:24:A:ILE:HG21	1:21:A:ASP:HB3	10	3.6
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB2	10	3.6
(1,1133)	1:24:A:ILE:HG22	1:21:A:ASP:HB3	10	3.6
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB2	10	3.6
(1,1133)	1:24:A:ILE:HG23	1:21:A:ASP:HB3	10	3.6
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	8	3.6
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	7	3.6
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD2	7	3.6
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	8	3.6
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	4	3.6
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	4	3.6
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	4	3.6
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	24	3.6
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	6	3.6
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	6	3.6
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	4	3.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	4	3.6
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	4	3.6
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	5	3.6
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	6	3.6
(1,559)	1:13:A:ILE:HG23	1:69:A:GLU:HA	7	3.6
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	9	3.6
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	7	3.6
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	18	3.6
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	18	3.6
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	18	3.6
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	20	3.6
(1,9)	1:80:A:GLY:HA2	1:77:A:ASN:H	4	3.6
(1,1859)	1:9:A:ILE:HG23	1:7:A:GLU:HG2	17	3.59
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	1	3.59
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	5	3.59
(1,1658)	1:6:A:LYS:HG2	1:73:A:ASP:HB3	24	3.59
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG22	17	3.59
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	2	3.59
(1,1397)	1:9:A:ILE:HG23	1:7:A:GLU:H	6	3.59
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	8	3.59
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	8	3.59
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	17	3.59
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	17	3.59
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	12	3.59
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	12	3.59
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	12	3.59
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	2	3.59
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	19	3.59
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	19	3.59
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	19	3.59
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	15	3.59
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	15	3.59
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	7	3.59
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	14	3.59
(1,926)	1:10:A:ARG:HD2	1:7:A:GLU:HG2	23	3.59
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	1	3.59
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	24	3.59
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	11	3.59
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	11	3.59
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	1	3.59
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	12	3.59
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	22	3.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	24	3.59
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	24	3.59
(1,559)	1:13:A:ILE:HG23	1:69:A:GLU:HA	16	3.59
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	4	3.59
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	13	3.59
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	11	3.59
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	11	3.59
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	11	3.59
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	5	3.59
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG2	18	3.58
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD12	20	3.58
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG22	5	3.58
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	6	3.58
(1,1733)	1:34:A:LEU:HD13	1:27:A:PRO:HG3	20	3.58
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	21	3.58
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	24	3.58
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	24	3.58
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	24	3.58
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	24	3.58
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	24	3.58
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	24	3.58
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	1	3.58
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	8	3.58
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	5	3.58
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	18	3.58
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	12	3.58
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	12	3.58
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	12	3.58
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	12	3.58
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	12	3.58
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	12	3.58
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	6	3.58
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	6	3.58
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	6	3.58
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD11	11	3.58
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD12	11	3.58
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD13	11	3.58
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	8	3.58
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	8	3.58
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	8	3.58
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	8	3.58
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	8	3.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	8	3.58
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	8	3.58
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	8	3.58
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	8	3.58
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	12	3.58
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	21	3.58
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	5	3.58
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	22	3.58
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	9	3.58
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	9	3.58
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	9	3.58
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	9	3.58
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	9	3.58
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	9	3.58
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	24	3.58
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	16	3.58
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	22	3.58
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	22	3.58
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	24	3.58
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	15	3.58
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	20	3.58
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	20	3.58
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	23	3.58
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	23	3.58
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	23	3.58
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG2	11	3.57
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	5	3.57
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG23	12	3.57
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	10	3.57
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	19	3.57
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	10	3.57
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	19	3.57
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	6	3.57
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	6	3.57
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	6	3.57
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB2	23	3.57
(1,1529)	1:14:A:ILE:HD11	1:65:A:PHE:HB3	23	3.57
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB2	23	3.57
(1,1529)	1:14:A:ILE:HD12	1:65:A:PHE:HB3	23	3.57
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB2	23	3.57
(1,1529)	1:14:A:ILE:HD13	1:65:A:PHE:HB3	23	3.57
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	4	3.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	9	3.57
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	6	3.57
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	6	3.57
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	21	3.57
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	11	3.57
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	22	3.57
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	10	3.57
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	10	3.57
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	10	3.57
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	20	3.57
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	20	3.57
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	20	3.57
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	7	3.57
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	15	3.57
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	2	3.57
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	2	3.57
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	9	3.57
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	9	3.57
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	23	3.57
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	23	3.57
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	25	3.57
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	25	3.57
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	25	3.57
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	25	3.57
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	25	3.57
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	25	3.57
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	25	3.57
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	25	3.57
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	25	3.57
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	23	3.57
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	23	3.57
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	23	3.57
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	19	3.57
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	19	3.57
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	19	3.57
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD13	7	3.56
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	16	3.56
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG22	6	3.56
(1,1397)	1:9:A:ILE:HG23	1:7:A:GLU:H	8	3.56
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	5	3.56
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	5	3.56
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	5	3.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	5	3.56
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	5	3.56
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	5	3.56
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	13	3.56
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	13	3.56
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	13	3.56
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	5	3.56
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	5	3.56
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	22	3.56
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	12	3.56
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	12	3.56
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	12	3.56
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	24	3.56
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	24	3.56
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	2	3.56
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	5	3.56
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	14	3.56
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	6	3.56
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	6	3.56
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	6	3.56
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	9	3.56
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	9	3.56
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	9	3.56
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	11	3.56
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	11	3.56
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	11	3.56
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	16	3.56
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	16	3.56
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	16	3.56
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD3	18	3.56
(1,917)	1:64:A:PRO:HB3	1:23:A:PRO:HG2	14	3.56
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	21	3.56
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	21	3.56
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	4	3.56
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	4	3.56
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	4	3.56
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	16	3.56
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	16	3.56
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	16	3.56
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	1	3.56
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	20	3.56
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	20	3.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	1	3.56
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	14	3.56
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	14	3.56
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	14	3.56
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	22	3.55
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	13	3.55
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	18	3.55
(1,1525)	1:30:A:LEU:HD23	1:65:A:PHE:HA	10	3.55
(1,1397)	1:9:A:ILE:HG22	1:7:A:GLU:H	19	3.55
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	6	3.55
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	6	3.55
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	24	3.55
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	24	3.55
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	17	3.55
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	17	3.55
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	17	3.55
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD11	21	3.55
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD12	21	3.55
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD13	21	3.55
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	17	3.55
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	6	3.55
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	6	3.55
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	17	3.55
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	17	3.55
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	10	3.55
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	10	3.55
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	10	3.55
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	24	3.55
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	24	3.55
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	24	3.55
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	24	3.55
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	24	3.55
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	24	3.55
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	8	3.55
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	13	3.55
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	1	3.55
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	1	3.55
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	1	3.55
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	2	3.55
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	2	3.55
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	2	3.55
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	8	3.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	8	3.55
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	8	3.55
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	13	3.55
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	13	3.55
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	13	3.55
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	21	3.55
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	21	3.55
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	21	3.55
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	25	3.55
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	2	3.55
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	16	3.55
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	24	3.55
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	24	3.55
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	4	3.55
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	4	3.55
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	4	3.55
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	6	3.55
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	6	3.55
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	11	3.55
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	11	3.55
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	12	3.55
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	12	3.55
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	3	3.55
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	3	3.55
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	3	3.55
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	19	3.55
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	19	3.55
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	19	3.55
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	20	3.54
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG21	5	3.54
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD13	9	3.54
(1,1733)	1:34:A:LEU:HD12	1:27:A:PRO:HG3	2	3.54
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	15	3.54
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	18	3.54
(1,1733)	1:34:A:LEU:HD13	1:27:A:PRO:HG3	21	3.54
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	13	3.54
(1,1638)	1:64:A:PRO:HD3	1:60:A:ALA:HB2	20	3.54
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	24	3.54
(1,1525)	1:30:A:LEU:HD23	1:65:A:PHE:HA	14	3.54
(1,1397)	1:9:A:ILE:HG22	1:7:A:GLU:H	12	3.54
(1,1397)	1:9:A:ILE:HG23	1:7:A:GLU:H	13	3.54
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	16	3.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	16	3.54
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	16	3.54
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	5	3.54
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	5	3.54
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	22	3.54
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	22	3.54
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	22	3.54
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	1	3.54
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	13	3.54
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	20	3.54
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	2	3.54
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	2	3.54
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	25	3.54
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	25	3.54
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	18	3.54
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	4	3.54
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD11	9	3.54
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD12	9	3.54
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD13	9	3.54
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	16	3.54
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	16	3.54
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	16	3.54
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	16	3.54
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	16	3.54
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	16	3.54
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	3	3.54
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	3	3.54
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	3	3.54
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	17	3.54
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	17	3.54
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	17	3.54
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	4	3.54
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	5	3.54
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	12	3.54
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	7	3.54
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	7	3.54
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	18	3.54
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	18	3.54
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	22	3.54
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	22	3.54
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	22	3.54
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	22	3.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	22	3.54
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	22	3.54
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	21	3.54
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	10	3.54
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	10	3.54
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	10	3.54
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	15	3.54
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	19	3.54
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	9	3.54
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG3	15	3.54
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG3	15	3.54
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	25	3.54
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	25	3.54
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	3	3.54
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	3	3.54
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	11	3.54
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	11	3.54
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	16	3.54
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	16	3.54
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	19	3.54
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	19	3.54
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB2	5	3.54
(1,563)	1:66:A:LYS:HA	1:69:A:GLU:HB3	5	3.54
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	15	3.54
(1,1733)	1:34:A:LEU:HD12	1:27:A:PRO:HG3	6	3.53
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	12	3.53
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	23	3.53
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	13	3.53
(1,1628)	1:16:A:ALA:HB3	1:37:A:GLY:HA2	25	3.53
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	17	3.53
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	17	3.53
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	17	3.53
(1,1397)	1:9:A:ILE:HG23	1:7:A:GLU:H	1	3.53
(1,1397)	1:9:A:ILE:HG22	1:7:A:GLU:H	7	3.53
(1,1397)	1:9:A:ILE:HG23	1:7:A:GLU:H	10	3.53
(1,1397)	1:9:A:ILE:HG23	1:7:A:GLU:H	17	3.53
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	6	3.53
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	6	3.53
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	6	3.53
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	6	3.53
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	6	3.53
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	6	3.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	6	3.53
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	6	3.53
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	6	3.53
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	4	3.53
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	4	3.53
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	12	3.53
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	12	3.53
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	18	3.53
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	12	3.53
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	12	3.53
(1,1058)	1:35:A:PRO:HD2	1:31:A:MET:HA	9	3.53
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	8	3.53
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	5	3.53
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	5	3.53
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	5	3.53
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	7	3.53
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	7	3.53
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	7	3.53
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	12	3.53
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	12	3.53
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	12	3.53
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	14	3.53
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	14	3.53
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	14	3.53
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	18	3.53
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	18	3.53
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	18	3.53
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	24	3.53
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	24	3.53
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	24	3.53
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	25	3.53
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	25	3.53
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	25	3.53
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD12	11	3.53
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	19	3.53
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	24	3.53
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	24	3.53
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	24	3.53
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	24	3.53
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	24	3.53
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	24	3.53
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	3	3.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	3	3.53
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	3	3.53
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	11	3.53
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	8	3.53
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	18	3.53
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	18	3.53
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	23	3.53
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	23	3.53
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	3	3.53
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	3	3.53
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	3	3.53
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG3	3	3.52
(1,1689)	1:81:A:LEU:HD12	1:73:A:ASP:HA	12	3.52
(1,1624)	1:51:A:ALA:HB1	1:72:A:ALA:HA	9	3.52
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	23	3.52
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	24	3.52
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	1	3.52
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	1	3.52
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	1	3.52
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	1	3.52
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	1	3.52
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	1	3.52
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	11	3.52
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	12	3.52
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	23	3.52
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	25	3.52
(1,1060)	1:35:A:PRO:HD3	1:31:A:MET:HB2	17	3.52
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD11	25	3.52
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD12	25	3.52
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD13	25	3.52
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	14	3.52
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	4	3.52
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	4	3.52
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	4	3.52
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	19	3.52
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	19	3.52
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	19	3.52
(1,995)	1:32:A:ALA:HB2	1:35:A:PRO:HD3	1	3.52
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	3	3.52
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	8	3.52
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	25	3.52
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	14	3.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	14	3.52
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	14	3.52
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	1	3.52
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	1	3.52
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	12	3.52
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	12	3.52
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	7	3.52
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	24	3.52
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	20	3.52
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	15	3.52
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	15	3.52
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	21	3.52
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	6	3.52
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	6	3.52
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	6	3.52
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	12	3.52
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	8	3.52
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	8	3.52
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	8	3.52
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	20	3.52
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	20	3.52
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	20	3.52
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG21	10	3.51
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD12	7	3.51
(1,1397)	1:9:A:ILE:HG22	1:7:A:GLU:H	3	3.51
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	20	3.51
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	16	3.51
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	16	3.51
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	16	3.51
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	16	3.51
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	16	3.51
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	16	3.51
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	19	3.51
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	19	3.51
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	19	3.51
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	13	3.51
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	13	3.51
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	22	3.51
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	22	3.51
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	22	3.51
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	22	3.51
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	23	3.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	23	3.51
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	23	3.51
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	3	3.51
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	3	3.51
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	3	3.51
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	3	3.51
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	3	3.51
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	5	3.51
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	5	3.51
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	25	3.51
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	25	3.51
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	4	3.51
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	4	3.51
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	4	3.51
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	4	3.51
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	4	3.51
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	4	3.51
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	4	3.51
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	6	3.51
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	6	3.51
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	6	3.51
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	6	3.51
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	6	3.51
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	6	3.51
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	20	3.51
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	21	3.51
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	21	3.51
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	19	3.51
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	19	3.51
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	19	3.51
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	20	3.51
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	20	3.51
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	9	3.51
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	16	3.51
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	2	3.5
(1,1689)	1:81:A:LEU:HD13	1:73:A:ASP:HA	6	3.5
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	16	3.5
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	16	3.5
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	16	3.5
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	16	3.5
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	15	3.5
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	15	3.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	15	3.5
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	11	3.5
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	10	3.5
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	10	3.5
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	10	3.5
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	10	3.5
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	10	3.5
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	10	3.5
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	22	3.5
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	22	3.5
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	15	3.5
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	15	3.5
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	15	3.5
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	15	3.5
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	21	3.5
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	4	3.5
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	4	3.5
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	4	3.5
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	7	3.5
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	7	3.5
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	7	3.5
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	3	3.5
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	3	3.5
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	3	3.5
(1,996)	1:16:A:ALA:HB1	1:10:A:ARG:HA	15	3.5
(1,996)	1:16:A:ALA:HB2	1:10:A:ARG:HA	15	3.5
(1,996)	1:16:A:ALA:HB3	1:10:A:ARG:HA	15	3.5
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	1	3.5
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	10	3.5
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	12	3.5
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	12	3.5
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	12	3.5
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	24	3.5
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	24	3.5
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	18	3.5
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	11	3.5
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	11	3.5
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	16	3.5
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	16	3.5
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	8	3.5
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	8	3.5
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	9	3.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	9	3.5
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	13	3.5
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	13	3.5
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	14	3.5
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	14	3.5
(1,559)	1:13:A:ILE:HG23	1:69:A:GLU:HA	4	3.5
(1,555)	1:17:A:LEU:HD21	1:65:A:PHE:HA	4	3.5
(1,555)	1:17:A:LEU:HD22	1:65:A:PHE:HA	4	3.5
(1,555)	1:17:A:LEU:HD23	1:65:A:PHE:HA	4	3.5
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	25	3.5
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG2	22	3.49
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	21	3.49
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	11	3.49
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG22	10	3.49
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG21	6	3.49
(1,1638)	1:64:A:PRO:HD3	1:60:A:ALA:HB2	22	3.49
(1,1624)	1:51:A:ALA:HB3	1:72:A:ALA:HA	21	3.49
(1,1526)	1:24:A:ILE:HD11	1:65:A:PHE:HA	18	3.49
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	8	3.49
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	23	3.49
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	23	3.49
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	14	3.49
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	14	3.49
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	5	3.49
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	5	3.49
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	5	3.49
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	20	3.49
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	20	3.49
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	20	3.49
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	21	3.49
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	14	3.49
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	14	3.49
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	14	3.49
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	21	3.49
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	21	3.49
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	2	3.49
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	2	3.49
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	2	3.49
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD3	24	3.49
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	11	3.49
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	17	3.49
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	21	3.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	5	3.49
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	5	3.49
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	15	3.49
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	15	3.49
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	19	3.49
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	19	3.49
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB2	20	3.49
(1,896)	1:81:A:LEU:HD11	1:73:A:ASP:HB3	20	3.49
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB2	20	3.49
(1,896)	1:81:A:LEU:HD12	1:73:A:ASP:HB3	20	3.49
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB2	20	3.49
(1,896)	1:81:A:LEU:HD13	1:73:A:ASP:HB3	20	3.49
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	23	3.49
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	22	3.49
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	2	3.49
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	2	3.49
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	3	3.49
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	3	3.49
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	3	3.49
(1,559)	1:13:A:ILE:HG22	1:69:A:GLU:HA	8	3.49
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	8	3.49
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	21	3.49
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	21	3.49
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	21	3.49
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	25	3.49
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	8	3.49
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	8	3.49
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	1	3.49
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	1	3.49
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	1	3.49
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	18	3.49
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	18	3.49
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	18	3.49
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG23	21	3.48
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	1	3.48
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	23	3.48
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	7	3.48
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	7	3.48
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	11	3.48
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	11	3.48
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	11	3.48
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	14	3.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	25	3.48
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	25	3.48
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	25	3.48
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	15	3.48
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	15	3.48
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	15	3.48
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD11	21	3.48
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD12	21	3.48
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD13	21	3.48
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	1	3.48
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	1	3.48
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	1	3.48
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	1	3.48
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	1	3.48
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	1	3.48
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	15	3.48
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	20	3.48
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	2	3.48
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	2	3.48
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	2	3.48
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	10	3.48
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	14	3.48
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	12	3.48
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	12	3.48
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	23	3.48
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	23	3.48
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	23	3.48
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	22	3.48
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	22	3.48
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	11	3.48
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	24	3.48
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	12	3.47
(1,1733)	1:34:A:LEU:HD13	1:27:A:PRO:HG3	1	3.47
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD2	7	3.47
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD2	9	3.47
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	22	3.47
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	25	3.47
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	25	3.47
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	25	3.47
(1,1543)	1:41:A:THR:HG22	1:39:A:ASP:HB2	13	3.47
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	19	3.47
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	20	3.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	20	3.47
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	19	3.47
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	19	3.47
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	19	3.47
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	20	3.47
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	20	3.47
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	20	3.47
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD11	11	3.47
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD12	11	3.47
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD13	11	3.47
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD11	17	3.47
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD12	17	3.47
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD13	17	3.47
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	7	3.47
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	17	3.47
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	21	3.47
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	17	3.47
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	17	3.47
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	4	3.47
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	5	3.47
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	12	3.47
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	11	3.47
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	11	3.47
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	11	3.47
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	22	3.47
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	5	3.47
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	5	3.47
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	10	3.47
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	10	3.47
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	17	3.47
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	17	3.47
(1,584)	1:70:A:GLU:HG2	1:63:A:PHE:HA	18	3.47
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	2	3.47
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	6	3.47
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	23	3.47
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	12	3.47
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	8	3.46
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG2	20	3.46
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	21	3.46
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	12	3.46
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG22	11	3.46
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD21	8	3.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	16	3.46
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	10	3.46
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	10	3.46
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	10	3.46
(1,1532)	1:76:A:VAL:HG13	1:69:A:GLU:HA	22	3.46
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	20	3.46
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	22	3.46
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	12	3.46
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	12	3.46
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	12	3.46
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	19	3.46
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	19	3.46
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	19	3.46
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	24	3.46
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	24	3.46
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	24	3.46
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD13	7	3.46
(1,1104)	1:77:A:ASN:HB2	1:75:A:ILE:HD12	10	3.46
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	20	3.46
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	20	3.46
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	20	3.46
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	20	3.46
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	20	3.46
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	20	3.46
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	14	3.46
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	16	3.46
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	19	3.46
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	3	3.46
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	10	3.46
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	11	3.46
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	8	3.46
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	14	3.46
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	3	3.46
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	10	3.46
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	10	3.46
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	10	3.46
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	22	3.46
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	23	3.46
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	8	3.46
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	18	3.46
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	6	3.46
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	17	3.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	4	3.46
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	5	3.46
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	20	3.45
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG22	15	3.45
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG23	17	3.45
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG21	20	3.45
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	17	3.45
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	1	3.45
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	15	3.45
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	15	3.45
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	15	3.45
(1,1543)	1:41:A:THR:HG22	1:39:A:ASP:HB2	8	3.45
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	2	3.45
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	2	3.45
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	2	3.45
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	2	3.45
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	2	3.45
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	2	3.45
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	14	3.45
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	14	3.45
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	14	3.45
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	14	3.45
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	14	3.45
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	14	3.45
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	14	3.45
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	14	3.45
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	14	3.45
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	19	3.45
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	22	3.45
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	22	3.45
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	22	3.45
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	9	3.45
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	9	3.45
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	6	3.45
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	6	3.45
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	6	3.45
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	6	3.45
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	6	3.45
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	6	3.45
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	12	3.45
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	12	3.45
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	12	3.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	12	3.45
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	12	3.45
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	12	3.45
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG3	11	3.45
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	6	3.45
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	13	3.45
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	13	3.45
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	19	3.45
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	10	3.45
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	1	3.45
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	1	3.45
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	4	3.45
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	4	3.45
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	7	3.45
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	7	3.45
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	24	3.45
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	4	3.45
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	10	3.45
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	22	3.45
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	22	3.45
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	22	3.45
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	15	3.45
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	21	3.45
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	17	3.45
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	23	3.45
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	13	3.45
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	13	3.45
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	13	3.45
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	16	3.45
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	16	3.45
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	16	3.45
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	1	3.44
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	12	3.44
(1,1859)	1:9:A:ILE:HG23	1:7:A:GLU:HG2	13	3.44
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	25	3.44
(1,1758)	1:10:A:ARG:HB2	1:13:A:ILE:HG22	22	3.44
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	10	3.44
(1,1525)	1:30:A:LEU:HD21	1:65:A:PHE:HA	3	3.44
(1,1397)	1:9:A:ILE:HG21	1:7:A:GLU:H	21	3.44
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	8	3.44
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	8	3.44
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	8	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	8	3.44
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	8	3.44
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	8	3.44
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	3	3.44
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	3	3.44
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	10	3.44
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	10	3.44
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	18	3.44
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	1	3.44
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	1	3.44
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	24	3.44
(1,1058)	1:35:A:PRO:HD3	1:31:A:MET:HA	16	3.44
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	13	3.44
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	13	3.44
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	13	3.44
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	13	3.44
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	13	3.44
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	13	3.44
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	4	3.44
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	4	3.44
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	4	3.44
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	25	3.44
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	25	3.44
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	1	3.44
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	2	3.44
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	4	3.44
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	10	3.44
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	19	3.44
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	8	3.44
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	16	3.44
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	7	3.44
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	7	3.44
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	7	3.44
(1,559)	1:13:A:ILE:HG21	1:69:A:GLU:HA	3	3.44
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	25	3.44
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	24	3.44
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	24	3.44
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	24	3.44
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	18	3.44
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	17	3.44
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	19	3.44
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	1	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	21	3.44
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	21	3.44
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	21	3.44
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	5	3.43
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	6	3.43
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	15	3.43
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	24	3.43
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	13	3.43
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD12	25	3.43
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	14	3.43
(1,1733)	1:34:A:LEU:HD12	1:27:A:PRO:HG3	3	3.43
(1,1733)	1:34:A:LEU:HD13	1:27:A:PRO:HG3	5	3.43
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	11	3.43
(1,1397)	1:9:A:ILE:HG22	1:7:A:GLU:H	15	3.43
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	15	3.43
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	15	3.43
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	24	3.43
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	24	3.43
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	24	3.43
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD11	25	3.43
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD12	25	3.43
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD13	25	3.43
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	21	3.43
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	21	3.43
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	21	3.43
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD11	18	3.43
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD12	18	3.43
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD13	18	3.43
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	19	3.43
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	23	3.43
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	25	3.43
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	6	3.43
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	11	3.43
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	21	3.43
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	23	3.43
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	23	3.43
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	23	3.43
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	8	3.43
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	9	3.43
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	17	3.43
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	24	3.43
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	1	3.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	9	3.43
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	14	3.43
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	2	3.43
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	5	3.43
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	5	3.43
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	9	3.43
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	21	3.43
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	1	3.43
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	1	3.43
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	1	3.43
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	14	3.43
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	14	3.43
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	14	3.43
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	14	3.43
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	18	3.43
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	20	3.43
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	20	3.43
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	20	3.43
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	23	3.43
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	23	3.43
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	23	3.43
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	16	3.43
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	14	3.43
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	4	3.43
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	25	3.43
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	9	3.43
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	4	3.43
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	18	3.43
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	18	3.43
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	17	3.42
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	5	3.42
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	8	3.42
(1,1638)	1:64:A:PRO:HD3	1:60:A:ALA:HB3	14	3.42
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	1	3.42
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG23	8	3.42
(1,1525)	1:30:A:LEU:HD23	1:65:A:PHE:HA	18	3.42
(1,1397)	1:9:A:ILE:HG22	1:7:A:GLU:H	14	3.42
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	9	3.42
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	9	3.42
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	9	3.42
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	9	3.42
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	9	3.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	9	3.42
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	22	3.42
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD12	21	3.42
(1,976)	1:27:A:PRO:HB3	1:24:A:ILE:HD13	25	3.42
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	14	3.42
(1,654)	1:78:A:LYS:HG2	1:80:A:GLY:HA2	6	3.42
(1,654)	1:78:A:LYS:HG3	1:80:A:GLY:HA2	6	3.42
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	2	3.42
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	4	3.42
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	13	3.42
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	18	3.42
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	1	3.42
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	8	3.42
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	20	3.42
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	12	3.42
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	1	3.42
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	12	3.42
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	22	3.42
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	4	3.41
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	18	3.41
(1,1859)	1:9:A:ILE:HG22	1:7:A:GLU:HG2	15	3.41
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	16	3.41
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	7	3.41
(1,1532)	1:76:A:VAL:HG13	1:69:A:GLU:HA	24	3.41
(1,1525)	1:30:A:LEU:HD22	1:65:A:PHE:HA	7	3.41
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	13	3.41
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	13	3.41
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	13	3.41
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	13	3.41
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	13	3.41
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	13	3.41
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	18	3.41
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	18	3.41
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	18	3.41
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	14	3.41
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	13	3.41
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	7	3.41
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	21	3.41
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	7	3.41
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	15	3.41
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	3	3.41
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	10	3.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	23	3.41
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	6	3.41
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	21	3.41
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	23	3.41
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	14	3.41
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	19	3.41
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	13	3.41
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	13	3.41
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	24	3.41
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	24	3.41
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	24	3.41
(1,1859)	1:9:A:ILE:HG23	1:7:A:GLU:HG2	25	3.4
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	7	3.4
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	14	3.4
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	18	3.4
(1,1733)	1:34:A:LEU:HD11	1:27:A:PRO:HG3	9	3.4
(1,1689)	1:81:A:LEU:HD13	1:73:A:ASP:HA	3	3.4
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	12	3.4
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	22	3.4
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	7	3.4
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	7	3.4
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	7	3.4
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	7	3.4
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	7	3.4
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	7	3.4
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	3	3.4
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	3	3.4
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	24	3.4
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	24	3.4
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	24	3.4
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	11	3.4
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	11	3.4
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	5	3.4
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	5	3.4
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	5	3.4
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	25	3.4
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	16	3.4
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	16	3.4
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	18	3.4
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	18	3.4
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	18	3.4
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	2	3.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	17	3.4
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	21	3.4
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	9	3.4
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	9	3.4
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	9	3.4
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	9	3.4
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	9	3.4
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	9	3.4
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	12	3.4
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	1	3.4
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	9	3.4
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	10	3.4
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	17	3.4
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	22	3.4
(1,559)	1:13:A:ILE:HG23	1:69:A:GLU:HA	19	3.4
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	16	3.4
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	9	3.4
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	18	3.4
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	22	3.4
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	2	3.4
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	7	3.4
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	20	3.4
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	24	3.4
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	3	3.4
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	5	3.4
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	24	3.4
(1,125)	1:62:A:ASP:HA	1:66:A:LYS:H	2	3.4
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	6	3.4
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	6	3.4
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	17	3.4
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	17	3.4
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	13	3.39
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG21	18	3.39
(1,1749)	1:14:A:ILE:HD12	1:7:A:GLU:HG3	10	3.39
(1,1733)	1:34:A:LEU:HD13	1:27:A:PRO:HG3	13	3.39
(1,1638)	1:64:A:PRO:HD3	1:60:A:ALA:HB3	24	3.39
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	1	3.39
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	8	3.39
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	4	3.39
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	4	3.39
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	21	3.39
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	1	3.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	1	3.39
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	1	3.39
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	11	3.39
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	11	3.39
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	11	3.39
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	11	3.39
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	11	3.39
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	11	3.39
(1,980)	1:31:A:MET:HB2	1:35:A:PRO:HD2	12	3.39
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	15	3.39
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	15	3.39
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	15	3.39
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	12	3.39
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	1	3.39
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	1	3.39
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	1	3.39
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	15	3.39
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	15	3.39
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	8	3.39
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	25	3.39
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	11	3.39
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	1	3.39
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	6	3.39
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	23	3.39
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	20	3.39
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	20	3.39
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	20	3.39
(1,559)	1:13:A:ILE:HG23	1:69:A:GLU:HA	9	3.39
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	13	3.39
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	15	3.39
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	9	3.39
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	9	3.39
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	9	3.39
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	20	3.39
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	19	3.39
(1,258)	1:35:A:PRO:HD3	1:31:A:MET:H	8	3.39
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	2	3.39
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	10	3.39
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	3	3.38
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	10	3.38
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG21	23	3.38
(1,1750)	1:49:A:LEU:HA	1:31:A:MET:HE2	16	3.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	17	3.38
(1,1532)	1:76:A:VAL:HG13	1:69:A:GLU:HA	20	3.38
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	25	3.38
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	16	3.38
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	16	3.38
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	16	3.38
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	16	3.38
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	16	3.38
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	16	3.38
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	23	3.38
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	23	3.38
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	22	3.38
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	15	3.38
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	15	3.38
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	15	3.38
(1,901)	1:17:A:LEU:HB2	1:29:A:GLU:HG3	22	3.38
(1,901)	1:17:A:LEU:HB3	1:29:A:GLU:HG3	22	3.38
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	17	3.38
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	16	3.38
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	16	3.38
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	16	3.38
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	16	3.38
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	15	3.38
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	17	3.38
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	17	3.38
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	7	3.38
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	6	3.38
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	6	3.38
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	6	3.38
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	25	3.38
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	25	3.38
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	25	3.38
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	7	3.38
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	21	3.38
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	15	3.38
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	18	3.38
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	18	3.38
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	18	3.38
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	3	3.38
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	7	3.38
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	21	3.38
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	11	3.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	16	3.37
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	2	3.37
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD13	10	3.37
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	1	3.37
(1,1525)	1:30:A:LEU:HD22	1:65:A:PHE:HA	23	3.37
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	20	3.37
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	21	3.37
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	17	3.37
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	17	3.37
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	17	3.37
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	18	3.37
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	18	3.37
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	24	3.37
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	23	3.37
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	6	3.37
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	14	3.37
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	22	3.37
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	23	3.37
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	14	3.37
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	14	3.37
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	14	3.37
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	2	3.37
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	2	3.37
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	2	3.37
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	2	3.37
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	2	3.37
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	2	3.37
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	18	3.37
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	18	3.37
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	18	3.37
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	18	3.37
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	18	3.37
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	18	3.37
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	2	3.37
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	13	3.37
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	13	3.37
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	14	3.37
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	5	3.37
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	20	3.37
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	2	3.37
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	19	3.37
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	22	3.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	2	3.37
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	10	3.37
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	10	3.37
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	10	3.37
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	2	3.37
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	16	3.37
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	12	3.37
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	24	3.37
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	9	3.37
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	9	3.37
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	9	3.37
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	20	3.37
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	20	3.37
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	20	3.37
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	23	3.37
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	23	3.37
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	23	3.37
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	9	3.37
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	9	3.37
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	9	3.37
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	16	3.37
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	20	3.37
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	2	3.37
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	5	3.37
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	15	3.37
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	15	3.37
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	6	3.37
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	6	3.37
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	6	3.37
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	7	3.36
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	23	3.36
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB1	10	3.36
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG3	11	3.36
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	16	3.36
(1,1740)	1:17:A:LEU:HD23	1:14:A:ILE:HA	8	3.36
(1,1628)	1:16:A:ALA:HB3	1:37:A:GLY:HA2	9	3.36
(1,1628)	1:16:A:ALA:HB1	1:37:A:GLY:HA2	24	3.36
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	7	3.36
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	7	3.36
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	7	3.36
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	25	3.36
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	15	3.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	16	3.36
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	16	3.36
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	22	3.36
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	22	3.36
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	22	3.36
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	17	3.36
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	17	3.36
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	17	3.36
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	14	3.36
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	14	3.36
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	13	3.36
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	13	3.36
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	13	3.36
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	2	3.36
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	5	3.36
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	5	3.36
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	5	3.36
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	20	3.36
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	20	3.36
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	20	3.36
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	5	3.36
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	21	3.36
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	21	3.36
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	21	3.36
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	6	3.36
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	1	3.36
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	23	3.36
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	10	3.36
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	20	3.36
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	11	3.36
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	15	3.36
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	15	3.36
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	15	3.36
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	21	3.36
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	21	3.36
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	21	3.36
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	9	3.36
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	9	3.36
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	23	3.36
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	12	3.35
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	2	3.35
(1,1689)	1:81:A:LEU:HD13	1:73:A:ASP:HA	8	3.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD2	8	3.35
(1,1638)	1:64:A:PRO:HD3	1:60:A:ALA:HB2	2	3.35
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	21	3.35
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	21	3.35
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	21	3.35
(1,1613)	1:46:A:ASP:H	1:41:A:THR:HG21	15	3.35
(1,1543)	1:41:A:THR:HG21	1:39:A:ASP:HB2	6	3.35
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	5	3.35
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	5	3.35
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	5	3.35
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	16	3.35
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	16	3.35
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	16	3.35
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	16	3.35
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	16	3.35
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	16	3.35
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	16	3.35
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	16	3.35
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	16	3.35
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	13	3.35
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	13	3.35
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	13	3.35
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	13	3.35
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	13	3.35
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	13	3.35
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	4	3.35
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	4	3.35
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	4	3.35
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	5	3.35
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	5	3.35
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	10	3.35
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	10	3.35
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	9	3.35
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	15	3.35
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	4	3.35
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	4	3.35
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	4	3.35
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	4	3.35
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	4	3.35
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	4	3.35
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	9	3.35
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	9	3.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	9	3.35
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	9	3.35
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	9	3.35
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	9	3.35
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD3	15	3.35
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	10	3.35
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	23	3.35
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	23	3.35
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	23	3.35
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	3	3.35
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	22	3.35
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	22	3.35
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	22	3.35
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	11	3.35
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	21	3.35
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	25	3.35
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	14	3.35
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	1	3.35
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	1	3.35
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	1	3.35
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	14	3.35
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	13	3.35
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	13	3.35
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	13	3.35
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	10	3.35
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	18	3.35
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	10	3.35
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD13	9	3.34
(1,1740)	1:17:A:LEU:HD23	1:14:A:ILE:HA	19	3.34
(1,1689)	1:81:A:LEU:HD12	1:73:A:ASP:HA	23	3.34
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	6	3.34
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	6	3.34
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	6	3.34
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	25	3.34
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	20	3.34
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	25	3.34
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	1	3.34
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	1	3.34
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	1	3.34
(1,1184)	1:65:A:PHE:HE1	1:68:A:ALA:HA	18	3.34
(1,1184)	1:65:A:PHE:HE2	1:68:A:ALA:HA	18	3.34
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD11	23	3.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD12	23	3.34
(1,1161)	1:65:A:PHE:HA	1:14:A:ILE:HD13	23	3.34
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	2	3.34
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	2	3.34
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	2	3.34
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	8	3.34
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	8	3.34
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	1	3.34
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	16	3.34
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	10	3.34
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	17	3.34
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	21	3.34
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	10	3.34
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	10	3.34
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	10	3.34
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	21	3.34
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	21	3.34
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	21	3.34
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG3	22	3.34
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	23	3.34
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	12	3.34
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	15	3.34
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	16	3.34
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	16	3.34
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	16	3.34
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	17	3.34
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	17	3.34
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	17	3.34
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	22	3.34
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	22	3.34
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	22	3.34
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	18	3.34
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	11	3.34
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	24	3.34
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	11	3.34
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	19	3.34
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	14	3.34
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	1	3.34
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	4	3.34
(1,1842)	1:13:A:ILE:HG22	1:65:A:PHE:HB3	10	3.33
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	14	3.33
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	9	3.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD12	4	3.33
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD13	5	3.33
(1,1733)	1:34:A:LEU:HD12	1:27:A:PRO:HG3	4	3.33
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD2	18	3.33
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	2	3.33
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	12	3.33
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	14	3.33
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	15	3.33
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	19	3.33
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	12	3.33
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	14	3.33
(1,1397)	1:9:A:ILE:HG23	1:7:A:GLU:H	25	3.33
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	19	3.33
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	19	3.33
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	19	3.33
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	20	3.33
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	20	3.33
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	20	3.33
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	3	3.33
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	19	3.33
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	23	3.33
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	23	3.33
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	23	3.33
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	11	3.33
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	11	3.33
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	11	3.33
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	19	3.33
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	19	3.33
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	19	3.33
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	17	3.33
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	18	3.33
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	23	3.33
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	23	3.33
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	22	3.33
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	17	3.33
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	17	3.33
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	17	3.33
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	21	3.33
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG2	2	3.32
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB1	18	3.32
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	15	3.32
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD13	1	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG22	25	3.32
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD12	12	3.32
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD23	25	3.32
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD2	18	3.32
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	21	3.32
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	6	3.32
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	7	3.32
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	11	3.32
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	17	3.32
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	20	3.32
(1,1525)	1:30:A:LEU:HD23	1:65:A:PHE:HA	4	3.32
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	6	3.32
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	7	3.32
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	11	3.32
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	17	3.32
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	20	3.32
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	17	3.32
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	4	3.32
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	4	3.32
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	4	3.32
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	4	3.32
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	4	3.32
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	4	3.32
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	3	3.32
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	3	3.32
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	3	3.32
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	25	3.32
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	25	3.32
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	25	3.32
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	2	3.32
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	2	3.32
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	2	3.32
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	2	3.32
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	2	3.32
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	2	3.32
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	23	3.32
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	23	3.32
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	23	3.32
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	24	3.32
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	24	3.32
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	3	3.32
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	24	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	9	3.32
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	12	3.32
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	25	3.32
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	17	3.32
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	4	3.32
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	16	3.32
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	15	3.32
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	15	3.32
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	15	3.32
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	13	3.32
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	8	3.32
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	15	3.32
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	25	3.32
(1,258)	1:35:A:PRO:HD3	1:31:A:MET:H	10	3.32
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	19	3.32
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	19	3.32
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	9	3.31
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	23	3.31
(1,1749)	1:14:A:ILE:HD12	1:7:A:GLU:HG3	24	3.31
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD2	10	3.31
(1,1572)	1:24:A:ILE:HG21	1:22:A:PHE:HA	10	3.31
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	25	3.31
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	8	3.31
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	8	3.31
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	8	3.31
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	8	3.31
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	8	3.31
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	8	3.31
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	8	3.31
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	8	3.31
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	12	3.31
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	12	3.31
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	12	3.31
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	12	3.31
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	12	3.31
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	12	3.31
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	12	3.31
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	12	3.31
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	12	3.31
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	13	3.31
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	13	3.31
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	13	3.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	13	3.31
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	13	3.31
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	13	3.31
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	13	3.31
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	13	3.31
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	13	3.31
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	19	3.31
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	19	3.31
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	19	3.31
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	19	3.31
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	19	3.31
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	19	3.31
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	12	3.31
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	19	3.31
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	23	3.31
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	8	3.31
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	19	3.31
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	22	3.31
(1,953)	1:24:A:ILE:HG12	1:20:A:ALA:HA	10	3.31
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	5	3.31
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	5	3.31
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	22	3.31
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	22	3.31
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	22	3.31
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	22	3.31
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	22	3.31
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	22	3.31
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	2	3.31
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	7	3.31
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	12	3.31
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	19	3.31
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	16	3.31
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	21	3.31
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	12	3.31
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	1	3.31
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	8	3.31
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	8	3.31
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	8	3.31
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	19	3.31
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	2	3.31
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	10	3.31
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	14	3.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	15	3.31
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	15	3.31
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	15	3.31
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	25	3.31
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	22	3.31
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	11	3.31
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	18	3.31
(3,22)	1:26:A:SER:N	1:22:A:PHE:O	2	3.3
(1,1859)	1:9:A:ILE:HG22	1:7:A:GLU:HG3	14	3.3
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	16	3.3
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	2	3.3
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD13	6	3.3
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	9	3.3
(1,1638)	1:64:A:PRO:HD3	1:60:A:ALA:HB3	15	3.3
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG3	2	3.3
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG3	2	3.3
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG3	2	3.3
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	9	3.3
(1,1572)	1:24:A:ILE:HG22	1:22:A:PHE:HA	17	3.3
(1,1572)	1:24:A:ILE:HG21	1:22:A:PHE:HA	19	3.3
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	10	3.3
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	18	3.3
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	10	3.3
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	4	3.3
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	25	3.3
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	25	3.3
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	25	3.3
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	7	3.3
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	7	3.3
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	14	3.3
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	12	3.3
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	7	3.3
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	7	3.3
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	23	3.3
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	23	3.3
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	7	3.3
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	3	3.3
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	3	3.3
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	18	3.3
(1,648)	1:13:A:ILE:H	1:15:A:GLY:HA2	22	3.3
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	12	3.3
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	12	3.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	12	3.3
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	13	3.3
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	14	3.3
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	19	3.3
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	12	3.3
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	14	3.3
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	4	3.3
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	5	3.3
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	3	3.3
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	4	3.3
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	9	3.3
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	25	3.3
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	25	3.3
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	15	3.3
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	15	3.3
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	15	3.3
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	6	3.29
(1,1740)	1:17:A:LEU:HD23	1:14:A:ILE:HA	4	3.29
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD2	3	3.29
(1,1623)	1:14:A:ILE:HD11	1:66:A:LYS:HG2	13	3.29
(1,1623)	1:14:A:ILE:HD12	1:66:A:LYS:HG2	13	3.29
(1,1623)	1:14:A:ILE:HD13	1:66:A:LYS:HG2	13	3.29
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	8	3.29
(1,1572)	1:24:A:ILE:HG22	1:22:A:PHE:HA	11	3.29
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	21	3.29
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	24	3.29
(1,1532)	1:76:A:VAL:HG12	1:69:A:GLU:HA	15	3.29
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	21	3.29
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	24	3.29
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	9	3.29
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	9	3.29
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	16	3.29
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	16	3.29
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	16	3.29
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	18	3.29
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	18	3.29
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	13	3.29
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	24	3.29
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD21	3	3.29
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD22	3	3.29
(1,1049)	1:78:A:LYS:HG2	1:49:A:LEU:HD23	3	3.29
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD21	3	3.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD22	3	3.29
(1,1049)	1:78:A:LYS:HG3	1:49:A:LEU:HD23	3	3.29
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	1	3.29
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	5	3.29
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	15	3.29
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	20	3.29
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	25	3.29
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	1	3.29
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	1	3.29
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	1	3.29
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	2	3.29
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	2	3.29
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	4	3.29
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	4	3.29
(1,884)	1:25:A:ASN:HB3	1:28:A:GLU:HG2	19	3.29
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	16	3.29
(1,780)	1:77:A:ASN:HB3	1:71:A:VAL:HA	9	3.29
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	24	3.29
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	24	3.29
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	24	3.29
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	15	3.29
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	23	3.29
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	3	3.29
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	6	3.29
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	15	3.29
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	18	3.29
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	3	3.29
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	7	3.29
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	7	3.29
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	8	3.29
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	8	3.29
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	10	3.29
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	10	3.29
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	13	3.29
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	13	3.29
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD12	11	3.28
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	14	3.28
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD2	5	3.28
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	18	3.28
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	18	3.28
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	1	3.28
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	3	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:24:A:ILE:HG21	1:22:A:PHE:HA	6	3.28
(1,1572)	1:24:A:ILE:HG21	1:22:A:PHE:HA	12	3.28
(1,1572)	1:24:A:ILE:HG22	1:22:A:PHE:HA	22	3.28
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	24	3.28
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	15	3.28
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	17	3.28
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	15	3.28
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	8	3.28
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	8	3.28
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	8	3.28
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	4	3.28
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	4	3.28
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	4	3.28
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	4	3.28
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	4	3.28
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	4	3.28
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	7	3.28
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	7	3.28
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	7	3.28
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	10	3.28
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	10	3.28
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	10	3.28
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	4	3.28
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	11	3.28
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	12	3.28
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	12	3.28
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	20	3.28
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	20	3.28
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	20	3.28
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	22	3.28
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	5	3.28
(1,594)	1:20:A:ALA:HA	1:22:A:PHE:HB2	20	3.28
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	24	3.28
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	10	3.28
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	14	3.28
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	4	3.28
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	19	3.28
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	19	3.28
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	19	3.28
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	13	3.28
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	7	3.28
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	9	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	9	3.28
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	11	3.28
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	11	3.28
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	14	3.28
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	14	3.28
(1,1820)	1:65:A:PHE:HD2	1:68:A:ALA:HB2	23	3.27
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD11	16	3.27
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD12	16	3.27
(1,1709)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	8	3.27
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	20	3.27
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	20	3.27
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	1	3.27
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	12	3.27
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	3	3.27
(1,1572)	1:24:A:ILE:HG22	1:22:A:PHE:HA	4	3.27
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	5	3.27
(1,1572)	1:24:A:ILE:HG22	1:22:A:PHE:HA	7	3.27
(1,1572)	1:24:A:ILE:HG21	1:22:A:PHE:HA	14	3.27
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	16	3.27
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	22	3.27
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	22	3.27
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	13	3.27
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	13	3.27
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	23	3.27
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	23	3.27
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD11	15	3.27
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD12	15	3.27
(1,1051)	1:46:A:ASP:HB3	1:49:A:LEU:HD13	15	3.27
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	11	3.27
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	11	3.27
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	11	3.27
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	14	3.27
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	14	3.27
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	5	3.27
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	5	3.27
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	5	3.27
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	1	3.27
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	1	3.27
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	1	3.27
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	1	3.27
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	1	3.27
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	1	3.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:12:A:GLN:HG3	1:6:A:LYS:HA	3	3.27
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	11	3.27
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	6	3.27
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	15	3.27
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	23	3.27
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	20	3.27
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	7	3.27
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	7	3.27
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	7	3.27
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	7	3.27
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	21	3.27
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	21	3.27
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	21	3.27
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	19	3.27
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	19	3.27
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	19	3.27
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	1	3.27
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	1	3.27
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	3	3.27
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	3	3.27
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	4	3.27
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	4	3.27
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	6	3.27
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	6	3.27
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	12	3.27
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	12	3.27
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	8	3.26
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD12	6	3.26
(1,1689)	1:81:A:LEU:HD12	1:73:A:ASP:HA	21	3.26
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	21	3.26
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	21	3.26
(1,1572)	1:24:A:ILE:HG22	1:22:A:PHE:HA	13	3.26
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	15	3.26
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	21	3.26
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	22	3.26
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	3	3.26
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	3	3.26
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	3	3.26
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	3	3.26
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	3	3.26
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	3	3.26
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	16	3.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	7	3.26
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	13	3.26
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	17	3.26
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	17	3.26
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	17	3.26
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	4	3.26
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	8	3.26
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	3	3.26
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	11	3.26
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	12	3.26
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	25	3.26
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	21	3.26
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	7	3.26
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	8	3.26
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	7	3.26
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	14	3.26
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	14	3.26
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	14	3.26
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	19	3.26
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	6	3.26
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	18	3.26
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	2	3.26
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	2	3.26
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	5	3.26
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	5	3.26
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	15	3.26
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	15	3.26
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	21	3.26
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	21	3.26
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	22	3.26
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	22	3.26
(1,75)	1:38:A:PRO:HB2	1:41:A:THR:H	21	3.26
(1,75)	1:38:A:PRO:HB3	1:41:A:THR:H	21	3.26
(1,1859)	1:9:A:ILE:HG21	1:7:A:GLU:HG3	24	3.25
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	19	3.25
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	19	3.25
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	19	3.25
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	19	3.25
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	19	3.25
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	19	3.25
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	22	3.25
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	22	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	22	3.25
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	19	3.25
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	19	3.25
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	19	3.25
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	19	3.25
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	19	3.25
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	19	3.25
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	19	3.25
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	19	3.25
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	19	3.25
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	5	3.25
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	5	3.25
(1,1053)	1:35:A:PRO:HG3	1:31:A:MET:HA	17	3.25
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	19	3.25
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	19	3.25
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	19	3.25
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	9	3.25
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	19	3.25
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	17	3.25
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	24	3.25
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	21	3.25
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	21	3.25
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	21	3.25
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	21	3.25
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	21	3.25
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	21	3.25
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	5	3.25
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	5	3.25
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	5	3.25
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	5	3.25
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	25	3.25
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	5	3.25
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	17	3.25
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	7	3.25
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	9	3.25
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	9	3.25
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	3	3.25
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	8	3.25
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	17	3.25
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	17	3.25
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	23	3.25
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	23	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	24	3.25
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	24	3.25
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	18	3.24
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	13	3.24
(1,1628)	1:16:A:ALA:HB3	1:37:A:GLY:HA2	3	3.24
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	14	3.24
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	13	3.24
(1,1572)	1:24:A:ILE:HG22	1:22:A:PHE:HA	2	3.24
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	9	3.24
(1,1572)	1:24:A:ILE:HG23	1:22:A:PHE:HA	18	3.24
(1,1572)	1:24:A:ILE:HG22	1:22:A:PHE:HA	23	3.24
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB2	9	3.24
(1,1315)	1:13:A:ILE:HG21	1:69:A:GLU:HB3	9	3.24
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB2	9	3.24
(1,1315)	1:13:A:ILE:HG22	1:69:A:GLU:HB3	9	3.24
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB2	9	3.24
(1,1315)	1:13:A:ILE:HG23	1:69:A:GLU:HB3	9	3.24
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	14	3.24
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	14	3.24
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	11	3.24
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	24	3.24
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	11	3.24
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	11	3.24
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	1	3.24
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	3	3.24
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	13	3.24
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	22	3.24
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	3	3.24
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	1	3.24
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	11	3.24
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	12	3.24
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	17	3.24
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	4	3.24
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	6	3.24
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	1	3.24
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	18	3.24
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	18	3.24
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	14	3.23
(1,1740)	1:17:A:LEU:HD23	1:14:A:ILE:HA	3	3.23
(1,1740)	1:17:A:LEU:HD21	1:14:A:ILE:HA	13	3.23
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	16	3.23
(1,1542)	1:41:A:THR:HG21	1:39:A:ASP:HB3	4	3.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	16	3.23
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	4	3.23
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	15	3.23
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	15	3.23
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	15	3.23
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	16	3.23
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	16	3.23
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	16	3.23
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	16	3.23
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	16	3.23
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	16	3.23
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	1	3.23
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	1	3.23
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	1	3.23
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	25	3.23
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	25	3.23
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	25	3.23
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	2	3.23
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	2	3.23
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	2	3.23
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	2	3.23
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	2	3.23
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	2	3.23
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	16	3.23
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	5	3.23
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	5	3.23
(1,642)	1:76:A:VAL:HG21	1:70:A:GLU:HA	11	3.23
(1,642)	1:76:A:VAL:HG22	1:70:A:GLU:HA	11	3.23
(1,642)	1:76:A:VAL:HG23	1:70:A:GLU:HA	11	3.23
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	1	3.23
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	22	3.23
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	22	3.23
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	6	3.23
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	24	3.23
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	21	3.23
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	7	3.23
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	7	3.23
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	7	3.23
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	20	3.23
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	20	3.23
(1,1842)	1:13:A:ILE:HG23	1:65:A:PHE:HB3	11	3.22
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	11	3.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	5	3.22
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	19	3.22
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	19	3.22
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	7	3.22
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	7	3.22
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	7	3.22
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	11	3.22
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	11	3.22
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	11	3.22
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	20	3.22
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	20	3.22
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	20	3.22
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD3	16	3.22
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	4	3.22
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	4	3.22
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	18	3.22
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	18	3.22
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	18	3.22
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	18	3.22
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	18	3.22
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	18	3.22
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	6	3.22
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	6	3.22
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	6	3.22
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	16	3.22
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	12	3.22
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	12	3.22
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	12	3.22
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	12	3.22
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	12	3.22
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	12	3.22
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	16	3.22
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	16	3.22
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	16	3.22
(1,553)	1:69:A:GLU:H	1:65:A:PHE:HA	5	3.22
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	20	3.22
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	21	3.22
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	12	3.22
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	17	3.22
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	24	3.22
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	11	3.22
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	16	3.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	25	3.22
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	25	3.22
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	25	3.22
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	25	3.21
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	12	3.21
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	12	3.21
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	16	3.21
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	17	3.21
(1,1572)	1:24:A:ILE:HG21	1:22:A:PHE:HA	20	3.21
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	1	3.21
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	18	3.21
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	1	3.21
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	7	3.21
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	7	3.21
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	7	3.21
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	7	3.21
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	7	3.21
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	7	3.21
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	19	3.21
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	19	3.21
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	1	3.21
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	17	3.21
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	8	3.21
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	8	3.21
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	18	3.21
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	18	3.21
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	17	3.21
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	6	3.21
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	6	3.21
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	13	3.21
(1,1842)	1:13:A:ILE:HG23	1:65:A:PHE:HB3	7	3.2
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD11	2	3.2
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG23	7	3.2
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD13	3	3.2
(1,1740)	1:17:A:LEU:HD21	1:14:A:ILE:HA	7	3.2
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	4	3.2
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	24	3.2
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	13	3.2
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	13	3.2
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	14	3.2
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	14	3.2
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	14	3.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	14	3.2
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	14	3.2
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	14	3.2
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	14	3.2
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	14	3.2
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	14	3.2
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	10	3.2
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	10	3.2
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	10	3.2
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	10	3.2
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	10	3.2
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	10	3.2
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	10	3.2
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	10	3.2
(1,1095)	1:36:A:ASN:HB3	1:31:A:MET:HE2	16	3.2
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG3	9	3.2
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG3	9	3.2
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG3	9	3.2
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	17	3.2
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	17	3.2
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	17	3.2
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	17	3.2
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	17	3.2
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	17	3.2
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	15	3.2
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	18	3.2
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	24	3.2
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	13	3.2
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	5	3.2
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	15	3.2
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	1	3.2
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	19	3.2
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	2	3.2
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	2	3.2
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	2	3.2
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	5	3.2
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	25	3.2
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	8	3.2
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	22	3.2
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	22	3.2
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	22	3.2
(1,258)	1:35:A:PRO:HD3	1:31:A:MET:H	2	3.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	13	3.19
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG23	16	3.19
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	2	3.19
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	15	3.19
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	16	3.19
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	18	3.19
(1,1511)	1:49:A:LEU:HD23	1:79:A:ALA:HB3	23	3.19
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	18	3.19
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	10	3.19
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	4	3.19
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	4	3.19
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	4	3.19
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	3	3.19
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	3	3.19
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	3	3.19
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	3	3.19
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	3	3.19
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	3	3.19
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	4	3.19
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	4	3.19
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	19	3.19
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	19	3.19
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	19	3.19
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	19	3.19
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	19	3.19
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	19	3.19
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	19	3.19
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	19	3.19
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	25	3.19
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	25	3.19
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	25	3.19
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	18	3.19
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	21	3.19
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	21	3.19
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	1	3.19
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	1	3.19
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	1	3.19
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	14	3.19
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	14	3.19
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	14	3.19
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	10	3.19
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	15	3.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	19	3.19
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	23	3.19
(1,156)	1:47:A:VAL:HG11	1:41:A:THR:H	12	3.19
(1,156)	1:47:A:VAL:HG12	1:41:A:THR:H	12	3.19
(1,156)	1:47:A:VAL:HG13	1:41:A:THR:H	12	3.19
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	25	3.19
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	25	3.19
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	25	3.19
(1,1842)	1:13:A:ILE:HG22	1:65:A:PHE:HB3	5	3.18
(1,1842)	1:13:A:ILE:HG23	1:65:A:PHE:HB3	19	3.18
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD12	2	3.18
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	5	3.18
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	5	3.18
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	19	3.18
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	19	3.18
(1,1628)	1:16:A:ALA:HB1	1:37:A:GLY:HA2	11	3.18
(1,1628)	1:16:A:ALA:HB1	1:37:A:GLY:HA2	18	3.18
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	18	3.18
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	18	3.18
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	18	3.18
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	14	3.18
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	14	3.18
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	14	3.18
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	14	3.18
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	14	3.18
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	14	3.18
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	20	3.18
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	20	3.18
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	10	3.18
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	10	3.18
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	10	3.18
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	5	3.18
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	21	3.18
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA2	21	3.18
(1,909)	1:48:A:GLU:H	1:45:A:GLY:HA3	21	3.18
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	15	3.18
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	15	3.18
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	15	3.18
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	16	3.18
(1,813)	1:27:A:PRO:HG3	1:24:A:ILE:HA	20	3.18
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	24	3.18
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	24	3.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:28:A:GLU:HB3	1:25:A:ASN:HA	19	3.18
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	3	3.18
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	3	3.18
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	3	3.18
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	25	3.18
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	23	3.18
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	3	3.18
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	5	3.18
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	3	3.18
(1,292)	1:6:A:LYS:HB2	1:4:A:GLY:H	3	3.18
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD13	7	3.17
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG3	5	3.17
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	9	3.17
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	15	3.17
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	19	3.17
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	3	3.17
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	4	3.17
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	4	3.17
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	23	3.17
(1,1498)	1:17:A:LEU:HD23	1:69:A:GLU:H	20	3.17
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	4	3.17
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	23	3.17
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	8	3.17
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	19	3.17
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	22	3.17
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	22	3.17
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	22	3.17
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	22	3.17
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	22	3.17
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	22	3.17
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	22	3.17
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	22	3.17
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	22	3.17
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	3	3.17
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	3	3.17
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	7	3.17
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	2	3.17
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	2	3.17
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	2	3.17
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	9	3.17
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	9	3.17
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	9	3.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	11	3.17
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	9	3.17
(1,815)	1:9:A:ILE:H	1:12:A:GLN:HG3	20	3.17
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	10	3.17
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	10	3.17
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	23	3.17
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	23	3.17
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	23	3.17
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	23	3.17
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	23	3.17
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	23	3.17
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	8	3.17
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	11	3.17
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	11	3.17
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	11	3.17
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	23	3.17
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	23	3.17
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	23	3.17
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	14	3.17
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	4	3.17
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	4	3.17
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	11	3.17
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	18	3.17
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	19	3.17
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	25	3.17
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD12	10	3.16
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	14	3.16
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	24	3.16
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	18	3.16
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	5	3.16
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	5	3.16
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	5	3.16
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	5	3.16
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	5	3.16
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	5	3.16
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	5	3.16
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	5	3.16
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	5	3.16
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	5	3.16
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	5	3.16
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	17	3.16
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	17	3.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	17	3.16
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	17	3.16
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	17	3.16
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	17	3.16
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	17	3.16
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	17	3.16
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	17	3.16
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	20	3.16
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	20	3.16
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	20	3.16
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	20	3.16
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	20	3.16
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	20	3.16
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	4	3.16
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	13	3.16
(1,1085)	1:65:A:PHE:HB2	1:17:A:LEU:HB3	3	3.16
(1,1085)	1:65:A:PHE:HB3	1:17:A:LEU:HB3	3	3.16
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	8	3.16
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	8	3.16
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	4	3.16
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	12	3.16
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	18	3.16
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA2	17	3.16
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA3	17	3.16
(1,888)	1:66:A:LYS:HG3	1:67:A:SER:HA	14	3.16
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	6	3.16
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	6	3.16
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	13	3.16
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	13	3.16
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	2	3.16
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	18	3.16
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	4	3.16
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	4	3.16
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	4	3.16
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	5	3.16
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	5	3.16
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	5	3.16
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	13	3.16
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	1	3.15
(1,1842)	1:13:A:ILE:HG22	1:65:A:PHE:HB3	8	3.15
(1,1842)	1:13:A:ILE:HG23	1:65:A:PHE:HB3	9	3.15
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD13	8	3.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	17	3.15
(1,1689)	1:81:A:LEU:HD13	1:73:A:ASP:HA	22	3.15
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	11	3.15
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	11	3.15
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	19	3.15
(1,1628)	1:16:A:ALA:HB1	1:37:A:GLY:HA2	5	3.15
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	20	3.15
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	20	3.15
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	20	3.15
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	20	3.15
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	20	3.15
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	20	3.15
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	20	3.15
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	20	3.15
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	20	3.15
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	23	3.15
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	23	3.15
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	10	3.15
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	12	3.15
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	12	3.15
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	12	3.15
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	20	3.15
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	20	3.15
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	20	3.15
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	14	3.15
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	14	3.15
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	14	3.15
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	7	3.15
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA2	21	3.15
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA3	21	3.15
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	15	3.15
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	15	3.15
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	15	3.15
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	6	3.15
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	24	3.15
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	24	3.15
(1,374)	1:60:A:ALA:HB1	1:58:A:LEU:H	8	3.15
(1,374)	1:60:A:ALA:HB2	1:58:A:LEU:H	8	3.15
(1,374)	1:60:A:ALA:HB3	1:58:A:LEU:H	8	3.15
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	25	3.15
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	22	3.15
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD12	23	3.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD3	20	3.14
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG11	9	3.14
(1,1542)	1:41:A:THR:HG21	1:39:A:ASP:HB3	10	3.14
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	1	3.14
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	1	3.14
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	1	3.14
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	1	3.14
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	1	3.14
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	1	3.14
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	1	3.14
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	21	3.14
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	21	3.14
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	5	3.14
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	7	3.14
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	6	3.14
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	6	3.14
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	6	3.14
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	15	3.14
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	15	3.14
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	15	3.14
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	15	3.14
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	15	3.14
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	15	3.14
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	7	3.14
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	4	3.14
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	22	3.14
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	23	3.14
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	23	3.14
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	20	3.14
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	20	3.14
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	20	3.14
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	23	3.14
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	12	3.14
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	12	3.14
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	8	3.14
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	19	3.14
(1,496)	1:78:A:LYS:HB2	1:76:A:VAL:H	11	3.14
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	5	3.14
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	22	3.14
(1,258)	1:35:A:PRO:HD3	1:31:A:MET:H	15	3.14
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	22	3.14
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	12	3.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	13	3.13
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	13	3.13
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	7	3.13
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	12	3.13
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	10	3.13
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	10	3.13
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	10	3.13
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	1	3.13
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	1	3.13
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	1	3.13
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	1	3.13
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	1	3.13
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	1	3.13
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	1	3.13
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	1	3.13
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	1	3.13
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	2	3.13
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	25	3.13
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	25	3.13
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	25	3.13
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	25	3.13
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	25	3.13
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	25	3.13
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	22	3.13
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	22	3.13
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	22	3.13
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	3	3.13
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	3	3.13
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	3	3.13
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	14	3.13
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	1	3.13
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	8	3.13
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	23	3.13
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	23	3.13
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	23	3.13
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	23	3.13
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	23	3.13
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	23	3.13
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	24	3.13
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	3	3.13
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	3	3.13
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	3	3.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	3	3.13
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	3	3.13
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	3	3.13
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	1	3.13
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	3	3.13
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	16	3.13
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	16	3.13
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	21	3.13
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	5	3.13
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	5	3.13
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	5	3.13
(1,1842)	1:13:A:ILE:HG23	1:65:A:PHE:HB3	4	3.12
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	6	3.12
(1,1740)	1:17:A:LEU:HD23	1:14:A:ILE:HA	1	3.12
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	7	3.12
(1,1628)	1:16:A:ALA:HB1	1:37:A:GLY:HA2	19	3.12
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	1	3.12
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	3	3.12
(1,1542)	1:41:A:THR:HG21	1:39:A:ASP:HB3	5	3.12
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	3	3.12
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	15	3.12
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	15	3.12
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	15	3.12
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	15	3.12
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	15	3.12
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	15	3.12
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	15	3.12
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	15	3.12
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	15	3.12
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	21	3.12
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	21	3.12
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	21	3.12
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	21	3.12
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	21	3.12
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	21	3.12
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	4	3.12
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	4	3.12
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	3	3.12
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	25	3.12
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	23	3.12
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	19	3.12
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	19	3.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	12	3.12
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	3	3.12
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	12	3.12
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	21	3.12
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD13	25	3.11
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	25	3.11
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	25	3.11
(1,1628)	1:16:A:ALA:HB3	1:37:A:GLY:HA2	2	3.11
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	15	3.11
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	20	3.11
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	25	3.11
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	25	3.11
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	25	3.11
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	25	3.11
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	25	3.11
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	25	3.11
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	6	3.11
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	6	3.11
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	6	3.11
(1,995)	1:32:A:ALA:HB3	1:35:A:PRO:HD3	17	3.11
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	7	3.11
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	7	3.11
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	22	3.11
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	22	3.11
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	22	3.11
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD2	24	3.11
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG3	2	3.11
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG3	2	3.11
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	18	3.11
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	19	3.11
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	7	3.11
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	8	3.11
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	8	3.11
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	8	3.11
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	23	3.11
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	18	3.11
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	19	3.11
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	20	3.11
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	22	3.11
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	23	3.11
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	5	3.11
(1,119)	1:27:A:PRO:HG2	1:30:A:LEU:H	16	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:27:A:PRO:HG3	1:30:A:LEU:H	16	3.11
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	20	3.11
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	8	3.11
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD11	8	3.1
(1,1770)	1:10:A:ARG:HB2	1:75:A:ILE:HD13	18	3.1
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG23	4	3.1
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD3	6	3.1
(1,1628)	1:16:A:ALA:HB3	1:37:A:GLY:HA2	8	3.1
(1,1628)	1:16:A:ALA:HB3	1:37:A:GLY:HA2	17	3.1
(1,1421)	1:14:A:ILE:HD13	1:67:A:SER:H	3	3.1
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	9	3.1
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	21	3.1
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	2	3.1
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	2	3.1
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	2	3.1
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	23	3.1
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	23	3.1
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	23	3.1
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	3	3.1
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	3	3.1
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	3	3.1
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	3	3.1
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	3	3.1
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	3	3.1
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	3	3.1
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	3	3.1
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	3	3.1
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	15	3.1
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	15	3.1
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	16	3.1
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	16	3.1
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	11	3.1
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	16	3.1
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	16	3.1
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	16	3.1
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	18	3.1
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	18	3.1
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	18	3.1
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	6	3.1
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	11	3.1
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	11	3.1
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	11	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	11	3.1
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	11	3.1
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	11	3.1
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	11	3.1
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	18	3.1
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	18	3.1
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	14	3.1
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	14	3.1
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	13	3.1
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	10	3.1
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	10	3.1
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	16	3.1
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG22	8	3.09
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	19	3.09
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD3	22	3.09
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	8	3.09
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	8	3.09
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	16	3.09
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	6	3.09
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	23	3.09
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	9	3.09
(1,1532)	1:76:A:VAL:HG12	1:69:A:GLU:HA	6	3.09
(1,1511)	1:49:A:LEU:HD22	1:79:A:ALA:HB3	19	3.09
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	9	3.09
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	11	3.09
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	11	3.09
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	11	3.09
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	8	3.09
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	8	3.09
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	8	3.09
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	19	3.09
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	3	3.09
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	9	3.09
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	9	3.09
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	9	3.09
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	17	3.09
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	8	3.09
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	15	3.09
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	19	3.09
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	9	3.08
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	9	3.08
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	15	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	15	3.08
(1,1542)	1:41:A:THR:HG23	1:39:A:ASP:HB3	21	3.08
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	14	3.08
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	22	3.08
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	22	3.08
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	22	3.08
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	22	3.08
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	22	3.08
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	22	3.08
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	6	3.08
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	6	3.08
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	6	3.08
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	6	3.08
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	6	3.08
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	6	3.08
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	12	3.08
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	12	3.08
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	12	3.08
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	12	3.08
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	12	3.08
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	12	3.08
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG2	15	3.08
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	12	3.08
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	12	3.08
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	12	3.08
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	23	3.08
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	6	3.08
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	6	3.08
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	6	3.08
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	13	3.08
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	23	3.08
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	23	3.08
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	24	3.08
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	18	3.08
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	4	3.08
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	8	3.08
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	24	3.08
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	3	3.08
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	23	3.07
(1,1758)	1:10:A:ARG:HB3	1:13:A:ILE:HG21	24	3.07
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	12	3.07
(1,1638)	1:64:A:PRO:HD3	1:60:A:ALA:HB3	23	3.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:13:A:ILE:HG23	1:11:A:GLY:HA2	11	3.07
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	7	3.07
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	8	3.07
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	8	3.07
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	8	3.07
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	8	3.07
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	8	3.07
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	8	3.07
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	8	3.07
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	8	3.07
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	8	3.07
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	11	3.07
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	11	3.07
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	11	3.07
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	11	3.07
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	11	3.07
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	11	3.07
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	11	3.07
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	11	3.07
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	11	3.07
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	24	3.07
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	24	3.07
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	24	3.07
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	24	3.07
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	24	3.07
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	24	3.07
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	24	3.07
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	24	3.07
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	24	3.07
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	25	3.07
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	25	3.07
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	22	3.07
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	14	3.07
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	14	3.07
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	14	3.07
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	14	3.07
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	14	3.07
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	14	3.07
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	4	3.07
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	12	3.07
(1,958)	1:63:A:PHE:HA	1:70:A:GLU:HG2	18	3.07
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	3	3.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	3	3.07
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	3	3.07
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	3	3.07
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	3	3.07
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	3	3.07
(1,888)	1:66:A:LYS:HG3	1:67:A:SER:HA	4	3.07
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	6	3.07
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB3	15	3.07
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	25	3.07
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	4	3.07
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	13	3.07
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	13	3.07
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	13	3.07
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	14	3.07
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	14	3.07
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	14	3.07
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	25	3.07
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	3	3.07
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	18	3.07
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	4	3.06
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD12	21	3.06
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD12	21	3.06
(1,1740)	1:17:A:LEU:HD21	1:14:A:ILE:HA	14	3.06
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	2	3.06
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	16	3.06
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	2	3.06
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	16	3.06
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	9	3.06
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	9	3.06
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	8	3.06
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	10	3.06
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	23	3.06
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	23	3.06
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	23	3.06
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	9	3.06
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	9	3.06
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	9	3.06
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	9	3.06
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	9	3.06
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	9	3.06
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	22	3.06
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	16	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:66:A:LYS:HG3	1:67:A:SER:HA	18	3.06
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	22	3.06
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	22	3.06
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	5	3.06
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	10	3.06
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	17	3.06
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	2	3.06
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	2	3.06
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	2	3.06
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	18	3.06
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	18	3.06
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	18	3.06
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	11	3.06
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	11	3.06
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	11	3.06
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	9	3.06
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	2	3.06
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	14	3.06
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	25	3.06
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	2	3.05
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD12	12	3.05
(1,1770)	1:10:A:ARG:HB2	1:75:A:ILE:HD12	23	3.05
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	9	3.05
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	9	3.05
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	9	3.05
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD1	2	3.05
(1,1217)	1:62:A:ASP:HB3	1:22:A:PHE:HD2	2	3.05
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	18	3.05
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	18	3.05
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	18	3.05
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	2	3.05
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	2	3.05
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	2	3.05
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	2	3.05
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	2	3.05
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	2	3.05
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	3	3.05
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	5	3.05
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	2	3.05
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	10	3.05
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	10	3.05
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	10	3.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	10	3.05
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	10	3.05
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	10	3.05
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	5	3.05
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	5	3.05
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	5	3.05
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	1	3.05
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	7	3.05
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	7	3.05
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	7	3.05
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	7	3.05
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	7	3.05
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	7	3.05
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	16	3.05
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	16	3.05
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	6	3.05
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	12	3.05
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	13	3.05
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	9	3.05
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	1	3.05
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	11	3.05
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	23	3.05
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	2	3.04
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG21	3	3.04
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	10	3.04
(1,1740)	1:17:A:LEU:HD23	1:14:A:ILE:HA	20	3.04
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	8	3.04
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	6	3.04
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	7	3.04
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	8	3.04
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	8	3.04
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	8	3.04
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	19	3.04
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	19	3.04
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	19	3.04
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	3	3.04
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	3	3.04
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	3	3.04
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	19	3.04
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	19	3.04
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	19	3.04
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	17	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	17	3.04
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	11	3.04
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	20	3.04
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	20	3.04
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	20	3.04
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	2	3.04
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	12	3.04
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	15	3.04
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	24	3.04
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	18	3.04
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	19	3.04
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	11	3.04
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	18	3.04
(1,1709)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	13	3.03
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	16	3.03
(1,1689)	1:81:A:LEU:HD13	1:73:A:ASP:HA	20	3.03
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	6	3.03
(1,1542)	1:41:A:THR:HG21	1:39:A:ASP:HB3	22	3.03
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	13	3.03
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	21	3.03
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	21	3.03
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	21	3.03
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	21	3.03
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	21	3.03
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	21	3.03
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	2	3.03
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	2	3.03
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	2	3.03
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	2	3.03
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	2	3.03
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	2	3.03
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	2	3.03
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	2	3.03
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	2	3.03
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	7	3.03
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	7	3.03
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	12	3.03
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	12	3.03
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD11	18	3.03
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD12	18	3.03
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD13	18	3.03
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	24	3.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	24	3.03
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	24	3.03
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	24	3.03
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	24	3.03
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	24	3.03
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	5	3.03
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	6	3.03
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	6	3.03
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	6	3.03
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	18	3.03
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	18	3.03
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	20	3.03
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	20	3.03
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	22	3.03
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	22	3.03
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	2	3.03
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	2	3.03
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	2	3.03
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	23	3.03
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	23	3.03
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	23	3.03
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	4	3.03
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	19	3.03
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	8	3.03
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	8	3.03
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	2	3.03
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	2	3.03
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	2	3.03
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	2	3.03
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	2	3.03
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	2	3.03
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	7	3.03
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	20	3.03
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	19	3.03
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	19	3.03
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	19	3.03
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	13	3.03
(1,292)	1:6:A:LYS:HB2	1:4:A:GLY:H	7	3.03
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	15	3.03
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	9	3.03
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	11	3.02
(1,1749)	1:14:A:ILE:HD13	1:7:A:GLU:HG2	18	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD3	14	3.02
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	17	3.02
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	23	3.02
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	23	3.02
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	23	3.02
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	23	3.02
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	23	3.02
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	23	3.02
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	23	3.02
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	23	3.02
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	23	3.02
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	17	3.02
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	17	3.02
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	17	3.02
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	17	3.02
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	17	3.02
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	17	3.02
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	18	3.02
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	18	3.02
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	18	3.02
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	18	3.02
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	18	3.02
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	18	3.02
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	6	3.02
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	6	3.02
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	24	3.02
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	24	3.02
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	3	3.02
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	22	3.02
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	4	3.02
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	2	3.02
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	23	3.02
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	23	3.02
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	23	3.02
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	22	3.02
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	22	3.02
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	22	3.02
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	16	3.02
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	16	3.02
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	2	3.02
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	2	3.02
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	2	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	2	3.02
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	2	3.02
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	2	3.02
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	7	3.02
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	24	3.02
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	11	3.02
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	11	3.02
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	11	3.02
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	11	3.02
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	11	3.02
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	11	3.02
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	24	3.02
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	24	3.02
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	24	3.02
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	24	3.02
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	24	3.02
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	24	3.02
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	5	3.02
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	7	3.02
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	22	3.02
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	24	3.02
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	18	3.01
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	25	3.01
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	5	3.01
(1,1709)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	19	3.01
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	20	3.01
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	5	3.01
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	5	3.01
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	5	3.01
(1,1542)	1:41:A:THR:HG21	1:39:A:ASP:HB3	17	3.01
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	3	3.01
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	4	3.01
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	4	3.01
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	4	3.01
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	4	3.01
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	4	3.01
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	4	3.01
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	4	3.01
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	4	3.01
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	4	3.01
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	17	3.01
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	17	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	18	3.01
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	18	3.01
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	20	3.01
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	6	3.01
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	3	3.01
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	3	3.01
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	3	3.01
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	3	3.01
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	3	3.01
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	3	3.01
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	14	3.01
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	5	3.01
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	6	3.01
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	15	3.01
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	15	3.01
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	9	3.01
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	13	3.01
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	13	3.01
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	13	3.01
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	13	3.01
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	13	3.01
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	13	3.01
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	9	3.01
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	9	3.01
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	9	3.01
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	9	3.01
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	13	3.01
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	13	3.01
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	7	3.01
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	7	3.01
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	7	3.01
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	17	3.01
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	17	3.01
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	17	3.01
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	4	3.01
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	4	3.01
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	4	3.01
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	7	3.01
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	3	3.01
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	19	3.01
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	8	3.01
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	1	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:35:A:PRO:HD3	1:31:A:MET:H	17	3.01
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	19	3.0
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	6	3.0
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG23	19	3.0
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	6	3.0
(1,1616)	1:68:A:ALA:HB1	1:71:A:VAL:HG13	10	3.0
(1,1600)	1:13:A:ILE:HG22	1:11:A:GLY:HA2	5	3.0
(1,1600)	1:13:A:ILE:HG22	1:11:A:GLY:HA2	10	3.0
(1,1599)	1:13:A:ILE:HD13	1:73:A:ASP:HA	23	3.0
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	25	3.0
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	15	3.0
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	15	3.0
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	15	3.0
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	15	3.0
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	15	3.0
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	15	3.0
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	20	3.0
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	20	3.0
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	20	3.0
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	20	3.0
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	20	3.0
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	20	3.0
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	7	3.0
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	7	3.0
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	7	3.0
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	7	3.0
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	7	3.0
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	7	3.0
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	7	3.0
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	7	3.0
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	7	3.0
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	18	3.0
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	18	3.0
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	18	3.0
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	18	3.0
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	18	3.0
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	18	3.0
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	18	3.0
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	18	3.0
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	18	3.0
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	8	3.0
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	19	3.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	25	3.0
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	1	3.0
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	1	3.0
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	1	3.0
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	15	3.0
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	15	3.0
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	15	3.0
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	18	3.0
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	18	3.0
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	18	3.0
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	7	3.0
(1,895)	1:76:A:VAL:HG11	1:7:A:GLU:HB2	24	3.0
(1,895)	1:76:A:VAL:HG12	1:7:A:GLU:HB2	24	3.0
(1,895)	1:76:A:VAL:HG13	1:7:A:GLU:HB2	24	3.0
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	12	3.0
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	13	3.0
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	13	3.0
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	13	3.0
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	13	3.0
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	13	3.0
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	13	3.0
(1,821)	1:31:A:MET:HB2	1:40:A:THR:HB	19	3.0
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	1	3.0
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	1	3.0
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	15	3.0
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	23	3.0
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	25	3.0
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	10	3.0
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	10	3.0
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	10	3.0
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	23	3.0
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	14	3.0
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	17	3.0
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	12	3.0
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	21	3.0
(1,1842)	1:13:A:ILE:HG23	1:65:A:PHE:HB3	16	2.99
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	24	2.99
(1,1766)	1:69:A:GLU:HA	1:13:A:ILE:HG23	9	2.99
(1,1740)	1:17:A:LEU:HD21	1:14:A:ILE:HA	16	2.99
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD21	9	2.99
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	5	2.99
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	18	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD3	24	2.99
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	6	2.99
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	25	2.99
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	2	2.99
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	18	2.99
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	3	2.99
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	23	2.99
(1,1498)	1:17:A:LEU:HD23	1:69:A:GLU:H	22	2.99
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	11	2.99
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB1	21	2.99
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB2	21	2.99
(1,1311)	1:49:A:LEU:HG	1:51:A:ALA:HB3	21	2.99
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	5	2.99
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	5	2.99
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	5	2.99
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	5	2.99
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	5	2.99
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	5	2.99
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	15	2.99
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	15	2.99
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	15	2.99
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	15	2.99
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	15	2.99
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	15	2.99
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	8	2.99
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	8	2.99
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	20	2.99
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	25	2.99
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	15	2.99
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG3	9	2.99
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG3	9	2.99
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG3	9	2.99
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	20	2.99
(1,1060)	1:35:A:PRO:HD2	1:31:A:MET:HB2	12	2.99
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	9	2.99
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	4	2.99
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	22	2.99
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	22	2.99
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	22	2.99
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	4	2.99
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	4	2.99
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	4	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	4	2.99
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	4	2.99
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	4	2.99
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	5	2.99
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	5	2.99
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	5	2.99
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	5	2.99
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	5	2.99
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	5	2.99
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	19	2.99
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	19	2.99
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	19	2.99
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	19	2.99
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	19	2.99
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	19	2.99
(1,888)	1:66:A:LYS:HG3	1:67:A:SER:HA	8	2.99
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	7	2.99
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	7	2.99
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	7	2.99
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	8	2.99
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	8	2.99
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	8	2.99
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	3	2.99
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	3	2.99
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	18	2.99
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	18	2.99
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	25	2.99
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	25	2.99
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	9	2.99
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	9	2.99
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	9	2.99
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	21	2.99
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	21	2.99
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	21	2.99
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	25	2.99
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	25	2.99
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	25	2.99
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	10	2.99
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	17	2.99
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	3	2.99
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	7	2.99
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	10	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1628)	1:16:A:ALA:HB1	1:37:A:GLY:HA2	13	2.98
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	4	2.98
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	4	2.98
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	4	2.98
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	1	2.98
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	11	2.98
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	11	2.98
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	11	2.98
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	11	2.98
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	11	2.98
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	11	2.98
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	2	2.98
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	2	2.98
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	13	2.98
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	13	2.98
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	4	2.98
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	22	2.98
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	10	2.98
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	10	2.98
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	10	2.98
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	10	2.98
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	20	2.98
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	20	2.98
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	20	2.98
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	2	2.98
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	2	2.98
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	14	2.98
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	14	2.98
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	14	2.98
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	14	2.98
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	14	2.98
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	14	2.98
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	4	2.98
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	14	2.98
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	14	2.98
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	14	2.98
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	14	2.98
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	14	2.98
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	14	2.98
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	13	2.98
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	16	2.98
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	16	2.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	16	2.98
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	7	2.98
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	5	2.98
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	12	2.98
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	22	2.98
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	22	2.97
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD13	13	2.97
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	7	2.97
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	13	2.97
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	15	2.97
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	6	2.97
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	15	2.97
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	22	2.97
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	17	2.97
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	17	2.97
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	17	2.97
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	17	2.97
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	17	2.97
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	17	2.97
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	10	2.97
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	10	2.97
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	10	2.97
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	10	2.97
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	10	2.97
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	10	2.97
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	10	2.97
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	10	2.97
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	10	2.97
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	25	2.97
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	25	2.97
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	25	2.97
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	25	2.97
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	25	2.97
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	25	2.97
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	25	2.97
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	25	2.97
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	25	2.97
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	5	2.97
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	5	2.97
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	5	2.97
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	5	2.97
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD11	16	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD12	16	2.97
(1,1051)	1:46:A:ASP:HB2	1:49:A:LEU:HD13	16	2.97
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	17	2.97
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	19	2.97
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	19	2.97
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	19	2.97
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	17	2.97
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	23	2.97
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	23	2.97
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	18	2.97
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	18	2.97
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	18	2.97
(1,926)	1:10:A:ARG:HD2	1:7:A:GLU:HG3	9	2.97
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	15	2.97
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	15	2.97
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	15	2.97
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	15	2.97
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	15	2.97
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	15	2.97
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	14	2.97
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	14	2.97
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	14	2.97
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	4	2.97
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	13	2.97
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	13	2.97
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	13	2.97
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	22	2.97
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	7	2.97
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	14	2.97
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	4	2.97
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	9	2.97
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	8	2.97
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	1	2.97
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	6	2.97
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	12	2.97
(1,1740)	1:17:A:LEU:HD21	1:14:A:ILE:HA	25	2.96
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	10	2.96
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	10	2.96
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	10	2.96
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	22	2.96
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	22	2.96
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	22	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	22	2.96
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	22	2.96
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	22	2.96
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	11	2.96
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	24	2.96
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	25	2.96
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	21	2.96
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	21	2.96
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	21	2.96
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	21	2.96
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	21	2.96
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	21	2.96
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	23	2.96
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	9	2.96
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	9	2.96
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	9	2.96
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	24	2.96
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	24	2.96
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	24	2.96
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	2	2.96
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	3	2.96
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	3	2.96
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	18	2.96
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	7	2.96
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	10	2.96
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	11	2.95
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	17	2.95
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD13	22	2.95
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	18	2.95
(1,1709)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	16	2.95
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	1	2.95
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	7	2.95
(1,1681)	1:60:A:ALA:HB2	1:64:A:PRO:HD3	2	2.95
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	14	2.95
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	14	2.95
(1,1560)	1:67:A:SER:H	1:62:A:ASP:HA	2	2.95
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	2	2.95
(1,1498)	1:17:A:LEU:HD21	1:69:A:GLU:H	13	2.95
(1,1474)	1:62:A:ASP:HA	1:67:A:SER:H	2	2.95
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	12	2.95
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	25	2.95
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	25	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	25	2.95
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	25	2.95
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	25	2.95
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	25	2.95
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	21	2.95
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	8	2.95
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	8	2.95
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	8	2.95
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	14	2.95
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	1	2.95
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	1	2.95
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	1	2.95
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	1	2.95
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	1	2.95
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	1	2.95
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	7	2.95
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	7	2.95
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	7	2.95
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	7	2.95
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	7	2.95
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	7	2.95
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	11	2.95
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	11	2.95
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	11	2.95
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	13	2.95
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	13	2.95
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	13	2.95
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	4	2.95
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	1	2.95
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	1	2.95
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	8	2.95
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	8	2.95
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	15	2.95
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	15	2.95
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	15	2.95
(1,541)	1:51:A:ALA:H	1:48:A:GLU:HA	6	2.95
(1,472)	1:66:A:LYS:H	1:62:A:ASP:H	2	2.95
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	12	2.95
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	25	2.95
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	15	2.95
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	15	2.95
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	15	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	14	2.95
(1,292)	1:6:A:LYS:HB2	1:4:A:GLY:H	16	2.95
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	12	2.95
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	19	2.95
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	6	2.95
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	20	2.95
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	13	2.95
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	17	2.95
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD11	17	2.94
(1,1709)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	3	2.94
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	20	2.94
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG3	9	2.94
(1,1628)	1:16:A:ALA:HB2	1:37:A:GLY:HA2	21	2.94
(1,1600)	1:13:A:ILE:HG23	1:11:A:GLY:HA2	16	2.94
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	11	2.94
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	7	2.94
(1,1511)	1:49:A:LEU:HD22	1:79:A:ALA:HB2	18	2.94
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	18	2.94
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	12	2.94
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	2	2.94
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	2	2.94
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	2	2.94
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	16	2.94
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	16	2.94
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	16	2.94
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	16	2.94
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	16	2.94
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	16	2.94
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	9	2.94
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	9	2.94
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	9	2.94
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	21	2.94
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	21	2.94
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	3	2.94
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	3	2.94
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	3	2.94
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	20	2.94
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	20	2.94
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	20	2.94
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	20	2.94
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	20	2.94
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	20	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	22	2.94
(1,629)	1:62:A:ASP:HB3	1:59:A:THR:HA	1	2.94
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	18	2.94
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	25	2.94
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	25	2.94
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	25	2.94
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	4	2.94
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	11	2.94
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	5	2.94
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	3	2.93
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	11	2.93
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	2	2.93
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	14	2.93
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	22	2.93
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	22	2.93
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	22	2.93
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	13	2.93
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	5	2.93
(1,1421)	1:14:A:ILE:HD12	1:67:A:SER:H	23	2.93
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE1	1	2.93
(1,1224)	1:61:A:ASP:HA	1:22:A:PHE:HE2	1	2.93
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	17	2.93
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	7	2.93
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	1	2.93
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	1	2.93
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	1	2.93
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	1	2.93
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	1	2.93
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	1	2.93
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	6	2.93
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	24	2.93
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	14	2.93
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	21	2.93
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	14	2.93
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	21	2.93
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	13	2.93
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	21	2.93
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	11	2.93
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	9	2.93
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	6	2.93
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	21	2.93
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	25	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:13:A:ILE:HG21	1:65:A:PHE:HB3	3	2.92
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD11	4	2.92
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	15	2.92
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	22	2.92
(1,1600)	1:13:A:ILE:HG23	1:11:A:GLY:HA2	7	2.92
(1,1532)	1:76:A:VAL:HG12	1:69:A:GLU:HA	8	2.92
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	12	2.92
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	21	2.92
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	14	2.92
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	7	2.92
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	9	2.92
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	9	2.92
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	9	2.92
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	9	2.92
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	9	2.92
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	9	2.92
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	9	2.92
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	9	2.92
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	9	2.92
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	16	2.92
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	18	2.92
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	18	2.92
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	18	2.92
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	18	2.92
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	18	2.92
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	18	2.92
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	17	2.92
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	17	2.92
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	17	2.92
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	11	2.92
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	8	2.92
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	18	2.92
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	18	2.92
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	18	2.92
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	18	2.92
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	18	2.92
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	18	2.92
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	19	2.92
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	19	2.92
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	19	2.92
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	19	2.92
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	19	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	19	2.92
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	5	2.92
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	5	2.92
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA2	17	2.92
(1,669)	1:41:A:THR:HG21	1:45:A:GLY:HA3	17	2.92
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA2	17	2.92
(1,669)	1:41:A:THR:HG22	1:45:A:GLY:HA3	17	2.92
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA2	17	2.92
(1,669)	1:41:A:THR:HG23	1:45:A:GLY:HA3	17	2.92
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	11	2.92
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	18	2.92
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	2	2.92
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	9	2.92
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	17	2.92
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	12	2.92
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	12	2.92
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	12	2.92
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	14	2.92
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	19	2.92
(1,61)	1:80:A:GLY:HA2	1:78:A:LYS:H	4	2.92
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	6	2.92
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	19	2.91
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	1	2.91
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	23	2.91
(1,1638)	1:64:A:PRO:HD2	1:60:A:ALA:HB3	9	2.91
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	18	2.91
(1,1542)	1:41:A:THR:HG22	1:39:A:ASP:HB3	2	2.91
(1,1542)	1:41:A:THR:HG21	1:39:A:ASP:HB3	7	2.91
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	24	2.91
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	1	2.91
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	10	2.91
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	10	2.91
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	10	2.91
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	10	2.91
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	10	2.91
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	10	2.91
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	22	2.91
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	22	2.91
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	22	2.91
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	22	2.91
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	22	2.91
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	22	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	2	2.91
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	16	2.91
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	16	2.91
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	16	2.91
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	16	2.91
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	16	2.91
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	16	2.91
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	2	2.91
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	2	2.91
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	2	2.91
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	25	2.91
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	25	2.91
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	25	2.91
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	25	2.91
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	25	2.91
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	25	2.91
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	15	2.91
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	15	2.91
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	22	2.91
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	5	2.91
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	11	2.91
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	2	2.91
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	9	2.91
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	17	2.91
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	2	2.91
(1,258)	1:35:A:PRO:HD2	1:31:A:MET:H	14	2.91
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	22	2.91
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	25	2.91
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	14	2.91
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	22	2.91
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE1	5	2.9
(1,1733)	1:34:A:LEU:HD13	1:27:A:PRO:HG3	16	2.9
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD3	15	2.9
(1,1628)	1:16:A:ALA:HB3	1:37:A:GLY:HA2	10	2.9
(1,1532)	1:76:A:VAL:HG12	1:69:A:GLU:HA	16	2.9
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	19	2.9
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD11	15	2.9
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD12	15	2.9
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD13	15	2.9
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	10	2.9
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	10	2.9
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	10	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	13	2.9
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	13	2.9
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	13	2.9
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	12	2.9
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	2	2.9
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	2	2.9
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	12	2.9
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	12	2.9
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	12	2.9
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	12	2.9
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	12	2.9
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	12	2.9
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	2	2.9
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	2	2.9
(1,793)	1:75:A:ILE:HD11	1:72:A:ALA:HB1	4	2.9
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	24	2.9
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	24	2.9
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	10	2.9
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	10	2.9
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	20	2.9
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	20	2.9
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	1	2.9
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	14	2.9
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	15	2.9
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	20	2.9
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	2	2.9
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	7	2.9
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	8	2.9
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	12	2.89
(1,1740)	1:17:A:LEU:HD23	1:14:A:ILE:HA	17	2.89
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	17	2.89
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	3	2.89
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	14	2.89
(1,1526)	1:71:A:VAL:HG13	1:65:A:PHE:HA	10	2.89
(1,1526)	1:71:A:VAL:HG11	1:65:A:PHE:HA	13	2.89
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	6	2.89
(1,1498)	1:17:A:LEU:HD21	1:69:A:GLU:H	25	2.89
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	6	2.89
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD11	17	2.89
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD12	17	2.89
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD13	17	2.89
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	10	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	14	2.89
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	14	2.89
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB2	2	2.89
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB1	18	2.89
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	22	2.89
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	22	2.89
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	10	2.89
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	12	2.89
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	16	2.89
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	20	2.89
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	6	2.89
(1,387)	1:51:A:ALA:H	1:49:A:LEU:H	13	2.89
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	7	2.89
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	4	2.89
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	15	2.89
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	24	2.89
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	7	2.89
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	19	2.88
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE1	1	2.88
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	12	2.88
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	1	2.88
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	25	2.88
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	12	2.88
(1,1628)	1:16:A:ALA:HB3	1:37:A:GLY:HA2	15	2.88
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	21	2.88
(1,1616)	1:68:A:ALA:HB1	1:71:A:VAL:HG12	15	2.88
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG11	19	2.88
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	11	2.88
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	4	2.88
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	24	2.88
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	24	2.88
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	24	2.88
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	24	2.88
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	24	2.88
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	24	2.88
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	13	2.88
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	8	2.88
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	14	2.88
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	13	2.88
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	13	2.88
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	13	2.88
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG3	15	2.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	4	2.88
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	4	2.88
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	25	2.88
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	25	2.88
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	20	2.88
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	20	2.88
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	20	2.88
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	20	2.88
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	20	2.88
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	20	2.88
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	3	2.88
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	3	2.88
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	18	2.88
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	18	2.88
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	7	2.88
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	7	2.88
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	7	2.88
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	7	2.88
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	7	2.88
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	7	2.88
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	6	2.88
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	6	2.88
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	6	2.88
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	19	2.88
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	13	2.88
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	22	2.88
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	22	2.88
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	22	2.88
(1,326)	1:59:A:THR:HG21	1:56:A:GLN:H	16	2.88
(1,326)	1:59:A:THR:HG22	1:56:A:GLN:H	16	2.88
(1,326)	1:59:A:THR:HG23	1:56:A:GLN:H	16	2.88
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	23	2.88
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE1	3	2.87
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD21	9	2.87
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	13	2.87
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	9	2.87
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	9	2.87
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	9	2.87
(1,1532)	1:76:A:VAL:HG13	1:69:A:GLU:HA	12	2.87
(1,1532)	1:76:A:VAL:HG13	1:69:A:GLU:HA	14	2.87
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD11	21	2.87
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD12	21	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:51:A:ALA:HB1	1:49:A:LEU:HD13	21	2.87
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD11	21	2.87
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD12	21	2.87
(1,1285)	1:51:A:ALA:HB2	1:49:A:LEU:HD13	21	2.87
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD11	21	2.87
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD12	21	2.87
(1,1285)	1:51:A:ALA:HB3	1:49:A:LEU:HD13	21	2.87
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	23	2.87
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	23	2.87
(1,1259)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	23	2.87
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	23	2.87
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	23	2.87
(1,1259)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	23	2.87
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	17	2.87
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	20	2.87
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	1	2.87
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG3	17	2.87
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	10	2.87
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	22	2.87
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	22	2.87
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	22	2.87
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	22	2.87
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	22	2.87
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	22	2.87
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	13	2.87
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB1	17	2.87
(1,793)	1:75:A:ILE:HD11	1:72:A:ALA:HB1	22	2.87
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	18	2.87
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	18	2.87
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	18	2.87
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	13	2.87
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	22	2.87
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	24	2.87
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	8	2.87
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	22	2.87
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	25	2.87
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	18	2.87
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	18	2.87
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	18	2.87
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	14	2.87
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	7	2.86
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	22	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	24	2.86
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG12	13	2.86
(1,1600)	1:13:A:ILE:HG23	1:11:A:GLY:HA2	4	2.86
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	23	2.86
(1,1532)	1:76:A:VAL:HG12	1:69:A:GLU:HA	1	2.86
(1,1498)	1:17:A:LEU:HD21	1:69:A:GLU:H	15	2.86
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	3	2.86
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	3	2.86
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	3	2.86
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	11	2.86
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	11	2.86
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	11	2.86
(1,1022)	1:55:A:GLY:H	1:58:A:LEU:HB3	16	2.86
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	11	2.86
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	9	2.86
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	9	2.86
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	9	2.86
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	9	2.86
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	10	2.86
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	10	2.86
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	21	2.86
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	21	2.86
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	25	2.86
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	8	2.86
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	5	2.86
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	10	2.86
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	9	2.86
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	22	2.86
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	23	2.86
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	23	2.86
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	23	2.86
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	21	2.86
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	16	2.86
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	1	2.86
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	5	2.86
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	13	2.86
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	20	2.86
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	10	2.85
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	7	2.85
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	4	2.85
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	6	2.85
(1,1616)	1:68:A:ALA:HB1	1:71:A:VAL:HG12	4	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG12	18	2.85
(1,1600)	1:13:A:ILE:HG23	1:11:A:GLY:HA2	9	2.85
(1,1600)	1:13:A:ILE:HG23	1:11:A:GLY:HA2	21	2.85
(1,1526)	1:71:A:VAL:HG11	1:65:A:PHE:HA	4	2.85
(1,1421)	1:14:A:ILE:HD11	1:67:A:SER:H	18	2.85
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	4	2.85
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	16	2.85
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	13	2.85
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	23	2.85
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	5	2.85
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	5	2.85
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	5	2.85
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	5	2.85
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	5	2.85
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	5	2.85
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG3	8	2.85
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	21	2.85
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	21	2.85
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	21	2.85
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	21	2.85
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	21	2.85
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	21	2.85
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	25	2.85
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	25	2.85
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	25	2.85
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	25	2.85
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	25	2.85
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	25	2.85
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	2	2.85
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	2	2.85
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	2	2.85
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	6	2.85
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	6	2.85
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	6	2.85
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	18	2.85
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	18	2.85
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	18	2.85
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB3	20	2.85
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	16	2.85
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	16	2.85
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	24	2.85
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	24	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	24	2.85
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	10	2.85
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	10	2.85
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	11	2.85
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	15	2.85
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	4	2.85
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	4	2.85
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	4	2.85
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	17	2.85
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	17	2.85
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	17	2.85
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	5	2.85
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	20	2.85
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	3	2.85
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	3	2.85
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	3	2.85
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	4	2.84
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD12	5	2.84
(1,1709)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	12	2.84
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	11	2.84
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	14	2.84
(1,1600)	1:13:A:ILE:HG23	1:11:A:GLY:HA2	19	2.84
(1,1498)	1:17:A:LEU:HD23	1:69:A:GLU:H	3	2.84
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	9	2.84
(1,1421)	1:14:A:ILE:HD13	1:67:A:SER:H	24	2.84
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	19	2.84
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	21	2.84
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	21	2.84
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	21	2.84
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	17	2.84
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	17	2.84
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	17	2.84
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	17	2.84
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	17	2.84
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	17	2.84
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	24	2.84
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	24	2.84
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	2	2.84
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	2	2.84
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	9	2.84
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	10	2.84
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	24	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	1	2.83
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD11	3	2.83
(1,1774)	1:24:A:ILE:HD11	1:21:A:ASP:HB2	5	2.83
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD13	20	2.83
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD23	6	2.83
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD21	8	2.83
(1,1689)	1:81:A:LEU:HD11	1:73:A:ASP:HA	24	2.83
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG12	16	2.83
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	25	2.83
(1,1542)	1:41:A:THR:HG22	1:39:A:ASP:HB3	9	2.83
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	9	2.83
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	11	2.83
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	21	2.83
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	24	2.83
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	1	2.83
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	18	2.83
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	19	2.83
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	19	2.83
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	24	2.83
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	24	2.83
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG2	10	2.83
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	22	2.83
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	22	2.83
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	9	2.83
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	18	2.83
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	16	2.83
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	18	2.83
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	24	2.83
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	14	2.83
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	14	2.83
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	14	2.83
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	6	2.83
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	11	2.83
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	24	2.83
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	2	2.83
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	17	2.83
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	17	2.82
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	19	2.82
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	5	2.82
(1,1709)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	4	2.82
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD22	10	2.82
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG13	23	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:13:A:ILE:HG23	1:11:A:GLY:HA2	17	2.82
(1,1498)	1:17:A:LEU:HD23	1:69:A:GLU:H	1	2.82
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	23	2.82
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	23	2.82
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	23	2.82
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	23	2.82
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	23	2.82
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	23	2.82
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	13	2.82
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	13	2.82
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	13	2.82
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	13	2.82
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	13	2.82
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	13	2.82
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	13	2.82
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	13	2.82
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	13	2.82
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	14	2.82
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	3	2.82
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	3	2.82
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	3	2.82
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	11	2.82
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	11	2.82
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	11	2.82
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	11	2.82
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	11	2.82
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	11	2.82
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG3	16	2.82
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	5	2.82
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	5	2.82
(1,926)	1:10:A:ARG:HD2	1:7:A:GLU:HG2	18	2.82
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	3	2.82
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	18	2.82
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	4	2.82
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	4	2.82
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	6	2.82
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	6	2.82
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	21	2.82
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	21	2.82
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	21	2.82
(1,293)	1:6:A:LYS:HG2	1:4:A:GLY:H	14	2.82
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	17	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	18	2.82
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	5	2.82
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	3	2.81
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	3	2.81
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	20	2.81
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	24	2.81
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	21	2.81
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	7	2.81
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	7	2.81
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	7	2.81
(1,1600)	1:13:A:ILE:HG22	1:11:A:GLY:HA2	8	2.81
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	12	2.81
(1,1599)	1:13:A:ILE:HD13	1:73:A:ASP:HA	15	2.81
(1,1532)	1:76:A:VAL:HG13	1:69:A:GLU:HA	19	2.81
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	1	2.81
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	12	2.81
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	8	2.81
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	8	2.81
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	8	2.81
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG3	2	2.81
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	3	2.81
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	7	2.81
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	7	2.81
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	14	2.81
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	2	2.81
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	1	2.81
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	1	2.81
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	1	2.81
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	12	2.81
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	12	2.81
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	9	2.81
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	2	2.81
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	3	2.81
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	17	2.81
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	17	2.81
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	17	2.81
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	23	2.81
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	6	2.81
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	14	2.81
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	17	2.81
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	21	2.81
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	23	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	1	2.81
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	1	2.81
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	1	2.81
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	16	2.81
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	5	2.81
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	5	2.81
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	5	2.81
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	13	2.81
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	13	2.81
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	13	2.81
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	20	2.81
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	20	2.81
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	20	2.81
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	17	2.8
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD11	18	2.8
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	1	2.8
(1,1517)	1:78:A:LYS:HA	1:76:A:VAL:HG12	13	2.8
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	6	2.8
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	6	2.8
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	6	2.8
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	6	2.8
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	6	2.8
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	6	2.8
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	6	2.8
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	6	2.8
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	6	2.8
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	14	2.8
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	14	2.8
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	14	2.8
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	14	2.8
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	14	2.8
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	14	2.8
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	14	2.8
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	14	2.8
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	14	2.8
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	21	2.8
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	21	2.8
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	21	2.8
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	7	2.8
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	7	2.8
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	7	2.8
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	7	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	7	2.8
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	7	2.8
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	24	2.8
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	2	2.8
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	2	2.8
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	2	2.8
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA2	11	2.8
(1,916)	1:48:A:GLU:HG2	1:45:A:GLY:HA3	11	2.8
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	6	2.8
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	6	2.8
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	6	2.8
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	6	2.8
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	6	2.8
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	21	2.8
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	21	2.8
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	21	2.8
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	21	2.8
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	21	2.8
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	21	2.8
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	19	2.8
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	19	2.8
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	15	2.8
(1,483)	1:70:A:GLU:HG3	1:68:A:ALA:H	4	2.8
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	4	2.8
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	11	2.8
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	2	2.8
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	2	2.8
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	2	2.8
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	7	2.8
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	7	2.8
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	7	2.8
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	15	2.8
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG3	22	2.79
(1,1740)	1:17:A:LEU:HD21	1:14:A:ILE:HA	15	2.79
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD21	3	2.79
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	3	2.79
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	3	2.79
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	17	2.79
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	17	2.79
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	2	2.79
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	2	2.79
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	2	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	2	2.79
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	15	2.79
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	17	2.79
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	17	2.79
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	17	2.79
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	17	2.79
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	17	2.79
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	17	2.79
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	17	2.79
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	17	2.79
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	17	2.79
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	2	2.79
(1,1187)	1:65:A:PHE:HD2	1:70:A:GLU:HG3	9	2.79
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	20	2.79
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD11	9	2.79
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD12	9	2.79
(1,1153)	1:46:A:ASP:HB3	1:9:A:ILE:HD13	9	2.79
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	17	2.79
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	17	2.79
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	17	2.79
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	13	2.79
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	13	2.79
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	17	2.79
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	17	2.79
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	6	2.79
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	8	2.79
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	8	2.79
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	8	2.79
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	8	2.79
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	8	2.79
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	8	2.79
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	9	2.79
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	9	2.79
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	9	2.79
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	9	2.79
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	9	2.79
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	9	2.79
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	15	2.79
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	15	2.79
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	15	2.79
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	15	2.79
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	15	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	15	2.79
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	15	2.79
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	15	2.79
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	6	2.79
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	19	2.79
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	19	2.79
(1,439)	1:17:A:LEU:HB3	1:14:A:ILE:H	24	2.79
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	5	2.79
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	8	2.79
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	19	2.79
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	6	2.79
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	6	2.79
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	6	2.79
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	18	2.79
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	2	2.79
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	10	2.79
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	16	2.79
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	18	2.79
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	11	2.78
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	15	2.78
(1,1774)	1:24:A:ILE:HD11	1:21:A:ASP:HB2	17	2.78
(1,1774)	1:24:A:ILE:HD12	1:21:A:ASP:HB2	18	2.78
(1,1749)	1:14:A:ILE:HD13	1:7:A:GLU:HG2	13	2.78
(1,1740)	1:17:A:LEU:HD22	1:14:A:ILE:HA	21	2.78
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	19	2.78
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG13	7	2.78
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	11	2.78
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	16	2.78
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	16	2.78
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	16	2.78
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	16	2.78
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	16	2.78
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	16	2.78
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	16	2.78
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	16	2.78
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	16	2.78
(1,1150)	1:12:A:GLN:HE22	1:6:A:LYS:HA	3	2.78
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	1	2.78
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	1	2.78
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	12	2.78
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	1	2.78
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	1	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	1	2.78
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	19	2.78
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	19	2.78
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	10	2.78
(1,745)	1:31:A:MET:HE2	1:49:A:LEU:HB2	16	2.78
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	1	2.78
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	1	2.78
(1,651)	1:52:A:SER:H	1:55:A:GLY:HA2	16	2.78
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	16	2.78
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	14	2.78
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	14	2.78
(1,471)	1:57:A:VAL:H	1:60:A:ALA:H	16	2.78
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	3	2.78
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	12	2.78
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	25	2.78
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	25	2.78
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	25	2.78
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	18	2.78
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	25	2.78
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	4	2.78
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	4	2.78
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	4	2.78
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	16	2.78
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	16	2.78
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	16	2.78
(1,1774)	1:24:A:ILE:HD13	1:21:A:ASP:HB2	4	2.77
(1,1740)	1:17:A:LEU:HD21	1:14:A:ILE:HA	23	2.77
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	7	2.77
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	7	2.77
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG12	5	2.77
(1,1599)	1:75:A:ILE:HG23	1:73:A:ASP:HA	21	2.77
(1,1542)	1:41:A:THR:HG23	1:39:A:ASP:HB3	15	2.77
(1,1498)	1:17:A:LEU:HD21	1:69:A:GLU:H	16	2.77
(1,1498)	1:17:A:LEU:HD23	1:69:A:GLU:H	17	2.77
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	11	2.77
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	24	2.77
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	24	2.77
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	24	2.77
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	24	2.77
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	24	2.77
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	24	2.77
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	16	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	16	2.77
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	16	2.77
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	25	2.77
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	25	2.77
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	25	2.77
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	21	2.77
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	21	2.77
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	21	2.77
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG2	23	2.77
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	10	2.77
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	10	2.77
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	10	2.77
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB1	25	2.77
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	23	2.77
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	23	2.77
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	23	2.77
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	17	2.77
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	17	2.77
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	4	2.77
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	16	2.77
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	1	2.77
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	24	2.77
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	24	2.77
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	1	2.77
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	8	2.77
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	12	2.77
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	24	2.77
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	8	2.76
(1,1616)	1:68:A:ALA:HB1	1:71:A:VAL:HG13	2	2.76
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	14	2.76
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	4	2.76
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG12	11	2.76
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	1	2.76
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	1	2.76
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	1	2.76
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	1	2.76
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	1	2.76
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	1	2.76
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	1	2.76
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	1	2.76
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	1	2.76
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	12	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	12	2.76
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	12	2.76
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	12	2.76
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	12	2.76
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	12	2.76
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	12	2.76
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	12	2.76
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	12	2.76
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	13	2.76
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	23	2.76
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	6	2.76
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	6	2.76
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	6	2.76
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	15	2.76
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	15	2.76
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	15	2.76
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	13	2.76
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	13	2.76
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	13	2.76
(1,872)	1:57:A:VAL:HG11	1:53:A:ASP:HB2	3	2.76
(1,872)	1:57:A:VAL:HG12	1:53:A:ASP:HB2	3	2.76
(1,872)	1:57:A:VAL:HG13	1:53:A:ASP:HB2	3	2.76
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	8	2.76
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	8	2.76
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	8	2.76
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	23	2.76
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	11	2.76
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	11	2.76
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	23	2.76
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	17	2.76
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	23	2.76
(1,246)	1:14:A:ILE:HB	1:11:A:GLY:H	21	2.76
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	21	2.76
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	10	2.76
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	10	2.76
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	10	2.76
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	17	2.76
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	17	2.76
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	17	2.76
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	6	2.75
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	6	2.75
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	6	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	6	2.75
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	6	2.75
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	6	2.75
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	21	2.75
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	22	2.75
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	19	2.75
(1,1511)	1:49:A:LEU:HD21	1:79:A:ALA:HB3	12	2.75
(1,1511)	1:49:A:LEU:HD23	1:79:A:ALA:HB2	17	2.75
(1,1498)	1:17:A:LEU:HD23	1:69:A:GLU:H	8	2.75
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	5	2.75
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	5	2.75
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	5	2.75
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	5	2.75
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	5	2.75
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	5	2.75
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	5	2.75
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	5	2.75
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	5	2.75
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	24	2.75
(1,1088)	1:14:A:ILE:HG23	1:17:A:LEU:HB3	3	2.75
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	4	2.75
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	4	2.75
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	4	2.75
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	4	2.75
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	4	2.75
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	4	2.75
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	7	2.75
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	7	2.75
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	7	2.75
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	7	2.75
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB1	21	2.75
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	18	2.75
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	10	2.75
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	10	2.75
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	10	2.75
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	20	2.75
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	20	2.75
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	20	2.75
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	4	2.75
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	15	2.75
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	9	2.75
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	9	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	9	2.75
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	22	2.75
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	22	2.75
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	22	2.75
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	14	2.74
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	3	2.74
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	3	2.74
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	3	2.74
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	3	2.74
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	3	2.74
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	3	2.74
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	3	2.74
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	3	2.74
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	3	2.74
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	8	2.74
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	8	2.74
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	8	2.74
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	8	2.74
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	8	2.74
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	8	2.74
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	8	2.74
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	8	2.74
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	8	2.74
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	6	2.74
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	15	2.74
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	10	2.74
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	10	2.74
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	12	2.74
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	12	2.74
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	8	2.74
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	8	2.74
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	8	2.74
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	8	2.74
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	8	2.74
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	8	2.74
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	13	2.74
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	24	2.74
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	4	2.74
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	10	2.74
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	10	2.74
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	10	2.74
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	23	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	23	2.74
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	23	2.74
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	18	2.74
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	18	2.74
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	18	2.74
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	6	2.74
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	6	2.74
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	1	2.74
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	5	2.74
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	5	2.74
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	21	2.74
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	21	2.74
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	9	2.74
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	13	2.74
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	17	2.74
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	3	2.74
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	17	2.74
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	10	2.74
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	10	2.74
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	10	2.74
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE1	23	2.73
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD11	9	2.73
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD12	19	2.73
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	17	2.73
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	25	2.73
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	23	2.73
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	23	2.73
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	13	2.73
(1,1600)	1:13:A:ILE:HG21	1:11:A:GLY:HA2	20	2.73
(1,1599)	1:13:A:ILE:HD13	1:73:A:ASP:HA	22	2.73
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	22	2.73
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	3	2.73
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	12	2.73
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	4	2.73
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	11	2.73
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	11	2.73
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	16	2.73
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	16	2.73
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	16	2.73
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	16	2.73
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	16	2.73
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	16	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	18	2.73
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	18	2.73
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	18	2.73
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	18	2.73
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	18	2.73
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	18	2.73
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	1	2.73
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	19	2.73
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	6	2.73
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	6	2.73
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	6	2.73
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	6	2.73
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	6	2.73
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	6	2.73
(1,398)	1:64:A:PRO:HA	1:67:A:SER:H	7	2.73
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	1	2.73
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	21	2.73
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	13	2.73
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	22	2.73
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	22	2.73
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	22	2.73
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	22	2.73
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	20	2.73
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	7	2.72
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	4	2.72
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	4	2.72
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	4	2.72
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	4	2.72
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	4	2.72
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	4	2.72
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	16	2.72
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	19	2.72
(1,1774)	1:24:A:ILE:HD12	1:21:A:ASP:HB2	23	2.72
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	6	2.72
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	14	2.72
(1,1709)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	21	2.72
(1,1532)	1:76:A:VAL:HG12	1:69:A:GLU:HA	10	2.72
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	19	2.72
(1,1498)	1:17:A:LEU:HD21	1:69:A:GLU:H	23	2.72
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	17	2.72
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	7	2.72
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	7	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	7	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	7	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	7	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	7	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	7	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	7	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	7	2.72
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	24	2.72
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	24	2.72
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	24	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	24	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	24	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	24	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	24	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	24	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	24	2.72
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	25	2.72
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	25	2.72
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	25	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	25	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	25	2.72
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	25	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	25	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	25	2.72
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	25	2.72
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	5	2.72
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	22	2.72
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	22	2.72
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	22	2.72
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	22	2.72
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	6	2.72
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	6	2.72
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	25	2.72
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	3	2.72
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	13	2.72
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	23	2.72
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	24	2.72
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB2	24	2.72
(1,894)	1:76:A:VAL:HG11	1:73:A:ASP:HB3	24	2.72
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB2	24	2.72
(1,894)	1:76:A:VAL:HG12	1:73:A:ASP:HB3	24	2.72
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB2	24	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:76:A:VAL:HG13	1:73:A:ASP:HB3	24	2.72
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB3	1	2.72
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	5	2.72
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	24	2.72
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	5	2.72
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	5	2.72
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	5	2.72
(1,258)	1:35:A:PRO:HD3	1:31:A:MET:H	16	2.72
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	14	2.72
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	16	2.72
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	18	2.72
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	25	2.72
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	10	2.71
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	10	2.71
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	10	2.71
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	10	2.71
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	10	2.71
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	10	2.71
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	6	2.71
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	6	2.71
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	11	2.71
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	24	2.71
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	4	2.71
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	4	2.71
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	17	2.71
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	10	2.71
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	10	2.71
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	10	2.71
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	10	2.71
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	10	2.71
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	10	2.71
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	10	2.71
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	10	2.71
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	10	2.71
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	19	2.71
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	19	2.71
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	19	2.71
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	19	2.71
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	19	2.71
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	19	2.71
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	19	2.71
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	19	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	19	2.71
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	7	2.71
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	25	2.71
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	1	2.71
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	8	2.71
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	8	2.71
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	2	2.71
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	5	2.71
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	6	2.71
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	12	2.71
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	15	2.71
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	17	2.71
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	20	2.71
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	12	2.71
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	12	2.71
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	12	2.71
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	4	2.71
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	4	2.71
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	4	2.71
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB2	7	2.71
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	17	2.71
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	17	2.71
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	10	2.71
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	10	2.71
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	4	2.71
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	4	2.71
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	7	2.71
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	7	2.71
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	25	2.71
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	25	2.71
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	11	2.71
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	11	2.71
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	11	2.71
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	12	2.71
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	12	2.71
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	12	2.71
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	16	2.71
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	16	2.71
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	12	2.71
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	9	2.71
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	23	2.71
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	9	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	9	2.7
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	9	2.7
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	9	2.7
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	9	2.7
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	9	2.7
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	21	2.7
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	24	2.7
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	20	2.7
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	16	2.7
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	16	2.7
(1,1600)	1:13:A:ILE:HG22	1:11:A:GLY:HA2	22	2.7
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	5	2.7
(1,1498)	1:17:A:LEU:HD21	1:69:A:GLU:H	7	2.7
(1,1498)	1:17:A:LEU:HD21	1:69:A:GLU:H	14	2.7
(1,1420)	1:14:A:ILE:HG23	1:11:A:GLY:H	8	2.7
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	4	2.7
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	4	2.7
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	4	2.7
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	4	2.7
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	4	2.7
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	4	2.7
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	4	2.7
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	4	2.7
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	4	2.7
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	11	2.7
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	11	2.7
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	11	2.7
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	11	2.7
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	11	2.7
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	11	2.7
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	11	2.7
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	11	2.7
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	11	2.7
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	22	2.7
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	22	2.7
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	22	2.7
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	22	2.7
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	22	2.7
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	22	2.7
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	22	2.7
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	22	2.7
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	22	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	2	2.7
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	2	2.7
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	14	2.7
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	8	2.7
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG2	23	2.7
(1,1068)	1:16:A:ALA:HB1	1:31:A:MET:HG3	23	2.7
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG2	23	2.7
(1,1068)	1:16:A:ALA:HB2	1:31:A:MET:HG3	23	2.7
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG2	23	2.7
(1,1068)	1:16:A:ALA:HB3	1:31:A:MET:HG3	23	2.7
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	14	2.7
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	14	2.7
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	5	2.7
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	5	2.7
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	5	2.7
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	5	2.7
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	5	2.7
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	5	2.7
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	8	2.7
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	9	2.7
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	11	2.7
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	25	2.7
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	14	2.7
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	14	2.7
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	14	2.7
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	14	2.7
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	14	2.7
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	14	2.7
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	15	2.7
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	15	2.7
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	7	2.7
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	7	2.7
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	4	2.7
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	7	2.7
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	20	2.7
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	15	2.7
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	11	2.7
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	20	2.7
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	20	2.7
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	20	2.7
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	3	2.7
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	7	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	1	2.7
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	6	2.7
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	18	2.7
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	18	2.7
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	18	2.7
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	25	2.69
(1,1770)	1:10:A:ARG:HB3	1:75:A:ILE:HD13	24	2.69
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	1	2.69
(1,1651)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	1	2.69
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG12	18	2.69
(1,1498)	1:17:A:LEU:HD23	1:69:A:GLU:H	19	2.69
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	20	2.69
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	15	2.69
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	15	2.69
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	15	2.69
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	15	2.69
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	15	2.69
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	15	2.69
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	15	2.69
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	15	2.69
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	15	2.69
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	9	2.69
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	11	2.69
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	25	2.69
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	23	2.69
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	23	2.69
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	23	2.69
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	2	2.69
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	2	2.69
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	2	2.69
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	2	2.69
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	2	2.69
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	2	2.69
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	4	2.69
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	4	2.69
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	4	2.69
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	4	2.69
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	4	2.69
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	4	2.69
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	9	2.69
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	9	2.69
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	9	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	9	2.69
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	9	2.69
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	9	2.69
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	11	2.69
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	19	2.69
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	14	2.69
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	20	2.69
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA2	12	2.69
(1,916)	1:48:A:GLU:HG3	1:45:A:GLY:HA3	12	2.69
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	8	2.69
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	8	2.69
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	22	2.69
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	22	2.69
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	22	2.69
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	22	2.69
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	22	2.69
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	22	2.69
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB3	12	2.69
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	14	2.69
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	14	2.69
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	14	2.69
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	23	2.69
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	23	2.69
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	5	2.69
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	6	2.69
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	22	2.69
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	24	2.69
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	1	2.69
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	1	2.69
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	22	2.69
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	2	2.69
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	9	2.69
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	23	2.69
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	4	2.69
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	15	2.69
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	24	2.69
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	2	2.68
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	2	2.68
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	2	2.68
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	2	2.68
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	2	2.68
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	2	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	21	2.68
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	21	2.68
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	21	2.68
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	21	2.68
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	21	2.68
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	21	2.68
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	20	2.68
(1,1774)	1:24:A:ILE:HD12	1:21:A:ASP:HB2	8	2.68
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG13	8	2.68
(1,1600)	1:13:A:ILE:HG22	1:11:A:GLY:HA2	15	2.68
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	21	2.68
(1,1420)	1:14:A:ILE:HG21	1:11:A:GLY:H	3	2.68
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	20	2.68
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	20	2.68
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	20	2.68
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	20	2.68
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	20	2.68
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	20	2.68
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	20	2.68
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	20	2.68
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	20	2.68
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	10	2.68
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	22	2.68
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	22	2.68
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	22	2.68
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	3	2.68
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	10	2.68
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	18	2.68
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	23	2.68
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	23	2.68
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	23	2.68
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	9	2.68
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	9	2.68
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	23	2.68
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	23	2.68
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	23	2.68
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	5	2.68
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	5	2.68
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	5	2.68
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	5	2.68
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB2	14	2.68
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	23	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	23	2.68
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	12	2.68
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	21	2.68
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	18	2.68
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	23	2.68
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	10	2.68
(1,1774)	1:24:A:ILE:HD11	1:21:A:ASP:HB2	7	2.67
(1,1704)	1:23:A:PRO:HA	1:30:A:LEU:HD23	22	2.67
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD3	23	2.67
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	2	2.67
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	2	2.67
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG13	17	2.67
(1,1599)	1:75:A:ILE:HG21	1:73:A:ASP:HA	20	2.67
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	10	2.67
(1,1498)	1:17:A:LEU:HD23	1:69:A:GLU:H	4	2.67
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	10	2.67
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	9	2.67
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	19	2.67
(1,1053)	1:35:A:PRO:HG3	1:31:A:MET:HA	16	2.67
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	24	2.67
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	24	2.67
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	24	2.67
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	12	2.67
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	12	2.67
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	12	2.67
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	6	2.67
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	6	2.67
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	6	2.67
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	6	2.67
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	6	2.67
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	6	2.67
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	19	2.67
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	19	2.67
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	19	2.67
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	19	2.67
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	19	2.67
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	19	2.67
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	20	2.67
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	20	2.67
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	20	2.67
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	20	2.67
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	20	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	20	2.67
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	7	2.67
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	24	2.67
(1,954)	1:23:A:PRO:HD3	1:20:A:ALA:HA	20	2.67
(1,951)	1:70:A:GLU:HB2	1:67:A:SER:HA	18	2.67
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	21	2.67
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	22	2.67
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	12	2.67
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	12	2.67
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	12	2.67
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	16	2.67
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	16	2.67
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	16	2.67
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	16	2.67
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	16	2.67
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB1	3	2.67
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB1	10	2.67
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	4	2.67
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	4	2.67
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	17	2.67
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	3	2.67
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	3	2.67
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	9	2.67
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	21	2.67
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	24	2.67
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	9	2.67
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	9	2.67
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	9	2.67
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG23	19	2.66
(1,1709)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	10	2.66
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	2	2.66
(1,1490)	1:49:A:LEU:HG	1:46:A:ASP:H	6	2.66
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	11	2.66
(1,1420)	1:14:A:ILE:HD12	1:11:A:GLY:H	9	2.66
(1,1420)	1:14:A:ILE:HG22	1:11:A:GLY:H	15	2.66
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	2	2.66
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	2	2.66
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	2	2.66
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	2	2.66
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	2	2.66
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	2	2.66
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	2	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	2	2.66
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	2	2.66
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	18	2.66
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	18	2.66
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	18	2.66
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	18	2.66
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	18	2.66
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	18	2.66
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	18	2.66
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	18	2.66
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	18	2.66
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	18	2.66
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	16	2.66
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB2	3	2.66
(1,964)	1:9:A:ILE:HG13	1:6:A:LYS:HB3	3	2.66
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	1	2.66
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	1	2.66
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	1	2.66
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	16	2.66
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	16	2.66
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	16	2.66
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	12	2.66
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	12	2.66
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	24	2.66
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	24	2.66
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	3	2.66
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	3	2.66
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	3	2.66
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	13	2.66
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	13	2.66
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	13	2.66
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	8	2.66
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	1	2.66
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	13	2.66
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	25	2.66
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	14	2.66
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	17	2.66
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	10	2.66
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	23	2.66
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	20	2.66
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	25	2.66
(1,1774)	1:24:A:ILE:HD11	1:21:A:ASP:HB2	12	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:24:A:ILE:HD13	1:21:A:ASP:HB2	24	2.65
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	10	2.65
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	10	2.65
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	9	2.65
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	5	2.65
(1,1420)	1:14:A:ILE:HD12	1:11:A:GLY:H	12	2.65
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	9	2.65
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	9	2.65
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	9	2.65
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	9	2.65
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	9	2.65
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	9	2.65
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	9	2.65
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	9	2.65
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	9	2.65
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	23	2.65
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	23	2.65
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	23	2.65
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	23	2.65
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	23	2.65
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	23	2.65
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	23	2.65
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	23	2.65
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	23	2.65
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	13	2.65
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	13	2.65
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	13	2.65
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	13	2.65
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	13	2.65
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	13	2.65
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	13	2.65
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	17	2.65
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	17	2.65
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	17	2.65
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	17	2.65
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	17	2.65
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	17	2.65
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	19	2.65
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	3	2.65
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	3	2.65
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	3	2.65
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB2	13	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	22	2.65
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	22	2.65
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB1	22	2.65
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB2	22	2.65
(1,572)	1:73:A:ASP:HA	1:79:A:ALA:HB3	22	2.65
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	1	2.65
(1,483)	1:70:A:GLU:HG3	1:68:A:ALA:H	8	2.65
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	20	2.65
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	8	2.65
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	8	2.65
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	17	2.65
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	17	2.65
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	3	2.65
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	8	2.65
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	11	2.65
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	18	2.65
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	25	2.65
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	23	2.64
(1,1774)	1:24:A:ILE:HD11	1:21:A:ASP:HB2	9	2.64
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	18	2.64
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	20	2.64
(1,1616)	1:68:A:ALA:HB1	1:71:A:VAL:HG12	12	2.64
(1,1420)	1:14:A:ILE:HG21	1:11:A:GLY:H	22	2.64
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	12	2.64
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	14	2.64
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	2	2.64
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	2	2.64
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	2	2.64
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	7	2.64
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	7	2.64
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	7	2.64
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD11	20	2.64
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD12	20	2.64
(1,1153)	1:46:A:ASP:HB2	1:9:A:ILE:HD13	20	2.64
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD11	20	2.64
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD12	20	2.64
(1,1027)	1:73:A:ASP:HA	1:81:A:LEU:HD13	20	2.64
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	10	2.64
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	10	2.64
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	10	2.64
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	10	2.64
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	10	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	10	2.64
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	12	2.64
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	12	2.64
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	12	2.64
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	12	2.64
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	12	2.64
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	12	2.64
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	21	2.64
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	21	2.64
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	21	2.64
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	21	2.64
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	21	2.64
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	21	2.64
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	23	2.64
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	23	2.64
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	23	2.64
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	23	2.64
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	23	2.64
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	23	2.64
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	24	2.64
(1,944)	1:30:A:LEU:H	1:27:A:PRO:HB3	16	2.64
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	23	2.64
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	23	2.64
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	23	2.64
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	10	2.64
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	10	2.64
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	10	2.64
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	25	2.64
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	25	2.64
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	21	2.64
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	21	2.64
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	14	2.64
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	20	2.64
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	11	2.64
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	3	2.64
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	21	2.64
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	19	2.64
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	20	2.64
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	9	2.64
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	22	2.64
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	2	2.64
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	11	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	23	2.63
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	23	2.63
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	23	2.63
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	23	2.63
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	23	2.63
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	23	2.63
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	9	2.63
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	8	2.63
(1,1744)	1:73:A:ASP:HA	1:81:A:LEU:HD11	24	2.63
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	6	2.63
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	6	2.63
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG13	21	2.63
(1,1420)	1:14:A:ILE:HD13	1:11:A:GLY:H	25	2.63
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	8	2.63
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	5	2.63
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	5	2.63
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	5	2.63
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	10	2.63
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	10	2.63
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	10	2.63
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	2	2.63
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	23	2.63
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	23	2.63
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	23	2.63
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	1	2.63
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	1	2.63
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	1	2.63
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	1	2.63
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	1	2.63
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	1	2.63
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	11	2.63
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	11	2.63
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	11	2.63
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	11	2.63
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	11	2.63
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	11	2.63
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	15	2.63
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	15	2.63
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	15	2.63
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	15	2.63
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	15	2.63
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	15	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	22	2.63
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	22	2.63
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	22	2.63
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	22	2.63
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	22	2.63
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	22	2.63
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	1	2.63
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	1	2.63
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	1	2.63
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	1	2.63
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	1	2.63
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	20	2.63
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	20	2.63
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	3	2.63
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	9	2.63
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	24	2.63
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	6	2.63
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	6	2.63
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	16	2.63
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	16	2.63
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	16	2.63
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	6	2.63
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	16	2.63
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	19	2.63
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	6	2.63
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	6	2.63
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	6	2.63
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	11	2.62
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	11	2.62
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	11	2.62
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	11	2.62
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	11	2.62
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	11	2.62
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	3	2.62
(1,1740)	1:17:A:LEU:HD23	1:14:A:ILE:HA	22	2.62
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD3	3	2.62
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD3	10	2.62
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	5	2.62
(1,1600)	1:13:A:ILE:HG22	1:11:A:GLY:HA2	25	2.62
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	25	2.62
(1,1526)	1:71:A:VAL:HG11	1:65:A:PHE:HA	14	2.62
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	19	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD21	21	2.62
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD22	21	2.62
(1,1282)	1:51:A:ALA:HB1	1:49:A:LEU:HD23	21	2.62
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD21	21	2.62
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD22	21	2.62
(1,1282)	1:51:A:ALA:HB2	1:49:A:LEU:HD23	21	2.62
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD21	21	2.62
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD22	21	2.62
(1,1282)	1:51:A:ALA:HB3	1:49:A:LEU:HD23	21	2.62
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	3	2.62
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	17	2.62
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	9	2.62
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	3	2.62
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	4	2.62
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	4	2.62
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	4	2.62
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	7	2.62
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	7	2.62
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	7	2.62
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	7	2.62
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	7	2.62
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	7	2.62
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	12	2.62
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	9	2.62
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	9	2.62
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	9	2.62
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	4	2.62
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	4	2.62
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	4	2.62
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	4	2.62
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	4	2.62
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	4	2.62
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	5	2.62
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	5	2.62
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	5	2.62
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	5	2.62
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	5	2.62
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	5	2.62
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	7	2.62
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	7	2.62
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	7	2.62
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	20	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	20	2.62
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	16	2.62
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	16	2.62
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	1	2.62
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	25	2.62
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	19	2.62
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	19	2.62
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	19	2.62
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	13	2.62
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	13	2.62
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	13	2.62
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	4	2.62
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	5	2.62
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	12	2.62
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	14	2.62
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	15	2.62
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	17	2.62
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	2	2.62
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	12	2.62
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	18	2.61
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	18	2.61
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	18	2.61
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	18	2.61
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	18	2.61
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	18	2.61
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	16	2.61
(1,1774)	1:24:A:ILE:HD13	1:21:A:ASP:HB2	19	2.61
(1,1774)	1:24:A:ILE:HD12	1:21:A:ASP:HB2	20	2.61
(1,1709)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	5	2.61
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	4	2.61
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	6	2.61
(1,1532)	1:76:A:VAL:HG12	1:69:A:GLU:HA	7	2.61
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG13	7	2.61
(1,1420)	1:14:A:ILE:HD13	1:11:A:GLY:H	7	2.61
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	18	2.61
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	16	2.61
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	11	2.61
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	11	2.61
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	11	2.61
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB3	19	2.61
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	13	2.61
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	11	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	19	2.61
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	5	2.61
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	23	2.61
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	24	2.61
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	20	2.61
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	4	2.61
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	19	2.61
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	3	2.61
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	15	2.61
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	7	2.61
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	7	2.61
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	7	2.61
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	15	2.6
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	23	2.6
(1,1597)	1:79:A:ALA:HB3	1:73:A:ASP:HA	4	2.6
(1,1489)	1:49:A:LEU:HD22	1:46:A:ASP:H	4	2.6
(1,1420)	1:14:A:ILE:HG22	1:11:A:GLY:H	14	2.6
(1,1420)	1:14:A:ILE:HG23	1:11:A:GLY:H	20	2.6
(1,1420)	1:14:A:ILE:HD13	1:11:A:GLY:H	23	2.6
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	23	2.6
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	11	2.6
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	11	2.6
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	11	2.6
(1,1088)	1:14:A:ILE:HG21	1:17:A:LEU:HB3	13	2.6
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	18	2.6
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	25	2.6
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	9	2.6
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	9	2.6
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	9	2.6
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	22	2.6
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	22	2.6
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG3	6	2.6
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	17	2.6
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	17	2.6
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	17	2.6
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	14	2.6
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	14	2.6
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	3	2.6
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	6	2.6
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	6	2.6
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	6	2.6
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	19	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	10	2.6
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	19	2.6
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	13	2.6
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	16	2.6
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	17	2.6
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	21	2.6
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	22	2.6
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	7	2.59
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	7	2.59
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	7	2.59
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	7	2.59
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	7	2.59
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	7	2.59
(1,1774)	1:24:A:ILE:HD13	1:21:A:ASP:HB2	1	2.59
(1,1774)	1:24:A:ILE:HD13	1:21:A:ASP:HB2	15	2.59
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	18	2.59
(1,1709)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	11	2.59
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG11	1	2.59
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	20	2.59
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	12	2.59
(1,1489)	1:49:A:LEU:HD22	1:46:A:ASP:H	14	2.59
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	6	2.59
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	6	2.59
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	6	2.59
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	6	2.59
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	6	2.59
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	6	2.59
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	13	2.59
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	13	2.59
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	13	2.59
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	3	2.59
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	14	2.59
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	16	2.59
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	6	2.59
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	6	2.59
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	6	2.59
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	12	2.59
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	12	2.59
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	12	2.59
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	15	2.59
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	15	2.59
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	15	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	2	2.59
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	10	2.59
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	23	2.59
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	9	2.59
(1,293)	1:6:A:LYS:HG2	1:4:A:GLY:H	23	2.59
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	18	2.59
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	2	2.59
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	2	2.59
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	2	2.59
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	13	2.58
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	24	2.58
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	24	2.58
(1,1616)	1:68:A:ALA:HB1	1:71:A:VAL:HG12	11	2.58
(1,1420)	1:14:A:ILE:HG22	1:11:A:GLY:H	1	2.58
(1,1420)	1:14:A:ILE:HG21	1:11:A:GLY:H	17	2.58
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	21	2.58
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	11	2.58
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	16	2.58
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	16	2.58
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	16	2.58
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	24	2.58
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	24	2.58
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	24	2.58
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	13	2.58
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	13	2.58
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	13	2.58
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	24	2.58
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	24	2.58
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	24	2.58
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	24	2.58
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	24	2.58
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	24	2.58
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	2	2.58
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	22	2.58
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	2	2.58
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	12	2.58
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	11	2.58
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	11	2.58
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	11	2.58
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	11	2.58
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	11	2.58
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	11	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	2	2.58
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	2	2.58
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	2	2.58
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	9	2.58
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	9	2.58
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	9	2.58
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	24	2.58
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	24	2.58
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	24	2.58
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	7	2.58
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	7	2.58
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	7	2.58
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	20	2.58
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	20	2.58
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	23	2.58
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	23	2.58
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	20	2.58
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	7	2.58
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	1	2.58
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	1	2.58
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	1	2.58
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	8	2.58
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	8	2.58
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	8	2.58
(1,1774)	1:24:A:ILE:HD12	1:21:A:ASP:HB2	2	2.57
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG23	13	2.57
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG2	2	2.57
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	15	2.57
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA2	22	2.57
(1,1651)	1:7:A:GLU:HB3	1:4:A:GLY:HA3	22	2.57
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	10	2.57
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG13	20	2.57
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	8	2.57
(1,1420)	1:14:A:ILE:HD12	1:11:A:GLY:H	4	2.57
(1,1420)	1:14:A:ILE:HG22	1:11:A:GLY:H	6	2.57
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	1	2.57
(1,1088)	1:14:A:ILE:HG23	1:17:A:LEU:HB3	2	2.57
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	13	2.57
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	13	2.57
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	13	2.57
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	7	2.57
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	7	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	7	2.57
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	10	2.57
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	21	2.57
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	12	2.57
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD13	19	2.57
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD13	19	2.57
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD13	19	2.57
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	8	2.57
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	8	2.57
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	8	2.57
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	8	2.57
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	8	2.57
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	8	2.57
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	9	2.57
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	9	2.57
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	8	2.57
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	8	2.57
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	8	2.57
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	21	2.57
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	21	2.57
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	6	2.57
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	24	2.57
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	24	2.57
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	24	2.57
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	9	2.57
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	9	2.57
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	9	2.57
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	19	2.57
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	21	2.57
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	21	2.57
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	21	2.57
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	21	2.57
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	7	2.57
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	10	2.57
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	10	2.57
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	5	2.57
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	3	2.57
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	9	2.57
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	14	2.57
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	23	2.57
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG21	16	2.56
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	22	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	23	2.56
(1,1511)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	20	2.56
(1,1489)	1:49:A:LEU:HD22	1:46:A:ASP:H	24	2.56
(1,1420)	1:14:A:ILE:HG23	1:11:A:GLY:H	5	2.56
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	4	2.56
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	9	2.56
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	2	2.56
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	2	2.56
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	2	2.56
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	3	2.56
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	3	2.56
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	3	2.56
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	3	2.56
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	3	2.56
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	3	2.56
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	25	2.56
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	25	2.56
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	25	2.56
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	8	2.56
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	8	2.56
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	8	2.56
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	15	2.56
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	15	2.56
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	15	2.56
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	12	2.56
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	12	2.56
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	12	2.56
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	12	2.56
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	12	2.56
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	12	2.56
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	13	2.56
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	13	2.56
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	13	2.56
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	2	2.56
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	2	2.56
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	24	2.56
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	24	2.56
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	20	2.56
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	10	2.56
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	25	2.56
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	4	2.56
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	5	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	12	2.56
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	22	2.55
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	22	2.55
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	22	2.55
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	22	2.55
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	22	2.55
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	22	2.55
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	13	2.55
(1,1616)	1:68:A:ALA:HB1	1:71:A:VAL:HG13	25	2.55
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	1	2.55
(1,1526)	1:71:A:VAL:HG13	1:65:A:PHE:HA	9	2.55
(1,1511)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	7	2.55
(1,1498)	1:17:A:LEU:HD22	1:69:A:GLU:H	21	2.55
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	23	2.55
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	13	2.55
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	10	2.55
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	19	2.55
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD13	21	2.55
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	17	2.55
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	20	2.55
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	20	2.55
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	5	2.55
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	5	2.55
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	5	2.55
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	11	2.55
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	11	2.55
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	11	2.55
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	6	2.55
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	6	2.55
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	6	2.55
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	6	2.55
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	6	2.55
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	6	2.55
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	11	2.55
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	11	2.55
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	22	2.55
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	5	2.55
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	15	2.55
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	25	2.55
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	1	2.55
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	8	2.55
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	8	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	8	2.55
(1,24)	1:41:A:THR:HG21	1:46:A:ASP:H	15	2.55
(1,24)	1:41:A:THR:HG22	1:46:A:ASP:H	15	2.55
(1,24)	1:41:A:THR:HG23	1:46:A:ASP:H	15	2.55
(1,1616)	1:68:A:ALA:HB3	1:71:A:VAL:HG13	3	2.54
(1,1511)	1:49:A:LEU:HD22	1:79:A:ALA:HB1	6	2.54
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	8	2.54
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	8	2.54
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	8	2.54
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	8	2.54
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	8	2.54
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	8	2.54
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	11	2.54
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	11	2.54
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	11	2.54
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	11	2.54
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	11	2.54
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	11	2.54
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	16	2.54
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	5	2.54
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	21	2.54
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	21	2.54
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	21	2.54
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	25	2.54
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	25	2.54
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	25	2.54
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	8	2.54
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	8	2.54
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	8	2.54
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	14	2.54
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	14	2.54
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	14	2.54
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	10	2.54
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	10	2.54
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	10	2.54
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	14	2.54
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	14	2.54
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	14	2.54
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	12	2.54
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	12	2.54
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	3	2.54
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	3	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	11	2.54
(1,353)	1:23:A:PRO:HB2	1:26:A:SER:H	22	2.54
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	2	2.54
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	12	2.54
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	19	2.54
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	18	2.53
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	12	2.53
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG21	18	2.53
(1,1526)	1:71:A:VAL:HG13	1:65:A:PHE:HA	1	2.53
(1,1511)	1:49:A:LEU:HD21	1:79:A:ALA:HB1	8	2.53
(1,1511)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	15	2.53
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	12	2.53
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	16	2.53
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	14	2.53
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	18	2.53
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	21	2.53
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	21	2.53
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	21	2.53
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	7	2.53
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	21	2.53
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	14	2.53
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	14	2.53
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	14	2.53
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	14	2.53
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	14	2.53
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	14	2.53
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB2	25	2.53
(1,963)	1:9:A:ILE:HG21	1:6:A:LYS:HB3	25	2.53
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB2	25	2.53
(1,963)	1:9:A:ILE:HG22	1:6:A:LYS:HB3	25	2.53
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB2	25	2.53
(1,963)	1:9:A:ILE:HG23	1:6:A:LYS:HB3	25	2.53
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	1	2.53
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	21	2.53
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	13	2.53
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	13	2.53
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	13	2.53
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	21	2.53
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	21	2.53
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	21	2.53
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	25	2.53
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	25	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	25	2.53
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB2	16	2.53
(1,846)	1:59:A:THR:HG21	1:56:A:GLN:HB3	16	2.53
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB2	16	2.53
(1,846)	1:59:A:THR:HG22	1:56:A:GLN:HB3	16	2.53
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB2	16	2.53
(1,846)	1:59:A:THR:HG23	1:56:A:GLN:HB3	16	2.53
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	18	2.53
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	18	2.53
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	18	2.53
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	25	2.53
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG21	5	2.53
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG22	5	2.53
(1,521)	1:44:A:SER:HA	1:47:A:VAL:HG23	5	2.53
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	23	2.53
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	23	2.53
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	23	2.53
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	14	2.53
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	15	2.53
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	15	2.53
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	25	2.53
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	21	2.53
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	4	2.53
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	6	2.53
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	8	2.53
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	24	2.53
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	2	2.53
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	2	2.53
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	2	2.53
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	15	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	1	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	1	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	1	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	1	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	1	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	1	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	5	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	5	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	5	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	5	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	5	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	5	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	20	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	20	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	20	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	20	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	20	2.52
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	20	2.52
(1,1816)	1:66:A:LYS:HG3	1:22:A:PHE:HE1	9	2.52
(1,1774)	1:24:A:ILE:HD12	1:21:A:ASP:HB2	13	2.52
(1,1770)	1:17:A:LEU:HB2	1:75:A:ILE:HD13	8	2.52
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	8	2.52
(1,1438)	1:17:A:LEU:HD23	1:70:A:GLU:H	20	2.52
(1,1420)	1:14:A:ILE:HG23	1:11:A:GLY:H	16	2.52
(1,1420)	1:14:A:ILE:HD12	1:11:A:GLY:H	19	2.52
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	9	2.52
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	9	2.52
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	9	2.52
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	9	2.52
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	9	2.52
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	9	2.52
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	18	2.52
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	18	2.52
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	18	2.52
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	18	2.52
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	18	2.52
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	18	2.52
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	23	2.52
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	9	2.52
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	9	2.52
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	9	2.52
(1,1088)	1:14:A:ILE:HG23	1:17:A:LEU:HB3	12	2.52
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	12	2.52
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	18	2.52
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	18	2.52
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	18	2.52
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	5	2.52
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	7	2.52
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	4	2.52
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	4	2.52
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	4	2.52
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	4	2.52
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	4	2.52
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	4	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	22	2.52
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	22	2.52
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	22	2.52
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	24	2.52
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	24	2.52
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	24	2.52
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	8	2.52
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	8	2.52
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	8	2.52
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	25	2.52
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	25	2.52
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB3	6	2.52
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	15	2.52
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	15	2.52
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	15	2.52
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	19	2.52
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	19	2.52
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	19	2.52
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	1	2.52
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	19	2.52
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	23	2.52
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	20	2.52
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	16	2.52
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	16	2.52
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	22	2.52
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	5	2.52
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	14	2.52
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	16	2.52
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	16	2.52
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	13	2.52
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	22	2.52
(1,92)	1:12:A:GLN:HB2	1:9:A:ILE:H	7	2.52
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	8	2.51
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	8	2.51
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	8	2.51
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	8	2.51
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	8	2.51
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	8	2.51
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	15	2.51
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	15	2.51
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	15	2.51
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	15	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	15	2.51
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	15	2.51
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	19	2.51
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	6	2.51
(1,1749)	1:14:A:ILE:HD12	1:7:A:GLU:HG2	15	2.51
(1,1709)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	24	2.51
(1,1681)	1:60:A:ALA:HB3	1:64:A:PRO:HD2	9	2.51
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG11	24	2.51
(1,1597)	1:79:A:ALA:HB3	1:73:A:ASP:HA	3	2.51
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	16	2.51
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	2	2.51
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	16	2.51
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	1	2.51
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	1	2.51
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	1	2.51
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	4	2.51
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	4	2.51
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	4	2.51
(1,1088)	1:14:A:ILE:HG21	1:17:A:LEU:HB3	19	2.51
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	14	2.51
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	21	2.51
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	9	2.51
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	9	2.51
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	9	2.51
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	1	2.51
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	1	2.51
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	1	2.51
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	23	2.51
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	23	2.51
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	23	2.51
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	17	2.51
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	17	2.51
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	17	2.51
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	17	2.51
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	17	2.51
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	17	2.51
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	19	2.51
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	19	2.51
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	19	2.51
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	20	2.51
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	20	2.51
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	20	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	20	2.51
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	21	2.51
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	21	2.51
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	24	2.51
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	24	2.51
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	24	2.51
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	11	2.51
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	14	2.51
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	8	2.51
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	19	2.51
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	2	2.5
(1,1532)	1:76:A:VAL:HG12	1:69:A:GLU:HA	9	2.5
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG13	1	2.5
(1,1420)	1:14:A:ILE:HG23	1:11:A:GLY:H	21	2.5
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	18	2.5
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	2	2.5
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	2	2.5
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	2	2.5
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	18	2.5
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	18	2.5
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	18	2.5
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	10	2.5
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	10	2.5
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	10	2.5
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB3	23	2.5
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	11	2.5
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	11	2.5
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	11	2.5
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	18	2.5
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	18	2.5
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	18	2.5
(1,483)	1:70:A:GLU:HG2	1:68:A:ALA:H	7	2.5
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	7	2.5
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	16	2.5
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	13	2.5
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	12	2.5
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	12	2.5
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	20	2.5
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	20	2.5
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	1	2.5
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	15	2.5
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	15	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	15	2.5
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	14	2.49
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	3	2.49
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	3	2.49
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	3	2.49
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	3	2.49
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	3	2.49
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	3	2.49
(1,1774)	1:24:A:ILE:HD11	1:21:A:ASP:HB2	3	2.49
(1,1774)	1:24:A:ILE:HD12	1:21:A:ASP:HB2	6	2.49
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG21	23	2.49
(1,1526)	1:71:A:VAL:HG11	1:65:A:PHE:HA	5	2.49
(1,1511)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	21	2.49
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	17	2.49
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	17	2.49
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	17	2.49
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	16	2.49
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	15	2.49
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	20	2.49
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	20	2.49
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	20	2.49
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	3	2.49
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	3	2.49
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	3	2.49
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	1	2.49
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	1	2.49
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	1	2.49
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	7	2.49
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	7	2.49
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	7	2.49
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	4	2.49
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	4	2.49
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	4	2.49
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	22	2.49
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	22	2.49
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	22	2.49
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	24	2.49
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	24	2.49
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	24	2.49
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	4	2.49
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	4	2.49
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	5	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	5	2.49
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	5	2.49
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	18	2.49
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	18	2.49
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	18	2.49
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	7	2.49
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	18	2.49
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	18	2.49
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	12	2.49
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	4	2.49
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	17	2.49
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	22	2.49
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	2	2.49
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	10	2.49
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	14	2.49
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	14	2.49
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	14	2.49
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	12	2.49
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	14	2.48
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG21	24	2.48
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	12	2.48
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	12	2.48
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	12	2.48
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	2	2.48
(1,1469)	1:7:A:GLU:HG3	1:73:A:ASP:H	25	2.48
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	12	2.48
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	12	2.48
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	12	2.48
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	12	2.48
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	12	2.48
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	12	2.48
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	13	2.48
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD13	11	2.48
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG2	8	2.48
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	11	2.48
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	13	2.48
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	15	2.48
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	25	2.48
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	25	2.48
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	25	2.48
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	15	2.48
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	15	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	15	2.48
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	6	2.48
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	6	2.48
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	6	2.48
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	16	2.48
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	16	2.48
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	16	2.48
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	16	2.48
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	16	2.48
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	16	2.48
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	7	2.48
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	7	2.48
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	23	2.48
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	23	2.48
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	12	2.48
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	19	2.48
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	8	2.48
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	8	2.48
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	8	2.48
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	25	2.48
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	9	2.48
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	10	2.48
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	11	2.48
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	19	2.48
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	6	2.48
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	6	2.48
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	6	2.48
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	7	2.48
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	7	2.48
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	7	2.48
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	14	2.47
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	14	2.47
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	14	2.47
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	14	2.47
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	14	2.47
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	14	2.47
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD3	5	2.47
(1,1597)	1:79:A:ALA:HB3	1:73:A:ASP:HA	8	2.47
(1,1597)	1:79:A:ALA:HB1	1:73:A:ASP:HA	11	2.47
(1,1543)	1:41:A:THR:HG22	1:39:A:ASP:HB2	23	2.47
(1,1511)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	22	2.47
(1,1511)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	25	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	23	2.47
(1,1420)	1:14:A:ILE:HG22	1:11:A:GLY:H	11	2.47
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	5	2.47
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	5	2.47
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	5	2.47
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	5	2.47
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	5	2.47
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	5	2.47
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	10	2.47
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	10	2.47
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	10	2.47
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	10	2.47
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	10	2.47
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	10	2.47
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	23	2.47
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	4	2.47
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	7	2.47
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	7	2.47
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	7	2.47
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	12	2.47
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	12	2.47
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	12	2.47
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	17	2.47
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	17	2.47
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	17	2.47
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	18	2.47
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	18	2.47
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	18	2.47
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	19	2.47
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	19	2.47
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	19	2.47
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	3	2.47
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	3	2.47
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	11	2.47
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	11	2.47
(1,663)	1:48:A:GLU:HG2	1:40:A:THR:HA	12	2.47
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	10	2.47
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	9	2.47
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	9	2.47
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	9	2.47
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	1	2.47
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	4	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	5	2.47
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	6	2.47
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	17	2.47
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	18	2.47
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	24	2.47
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	24	2.47
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	25	2.47
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	23	2.47
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	13	2.47
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	9	2.47
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	9	2.47
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	9	2.47
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	19	2.47
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	19	2.47
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	19	2.47
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	3	2.47
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	14	2.47
(1,1625)	1:33:A:ALA:HB2	1:37:A:GLY:HA2	7	2.46
(1,1543)	1:41:A:THR:HG22	1:39:A:ASP:HB2	3	2.46
(1,1532)	1:76:A:VAL:HG11	1:69:A:GLU:HA	2	2.46
(1,1420)	1:14:A:ILE:HG21	1:11:A:GLY:H	2	2.46
(1,1420)	1:14:A:ILE:HD11	1:11:A:GLY:H	24	2.46
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	16	2.46
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	12	2.46
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	12	2.46
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	12	2.46
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	14	2.46
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	14	2.46
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	14	2.46
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	7	2.46
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	20	2.46
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD13	19	2.46
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	10	2.46
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	18	2.46
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	19	2.46
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	20	2.46
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	20	2.46
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	20	2.46
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	11	2.46
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	11	2.46
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	11	2.46
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	8	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	15	2.46
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	25	2.46
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	8	2.46
(1,386)	1:75:A:ILE:HG21	1:73:A:ASP:H	8	2.46
(1,386)	1:75:A:ILE:HG22	1:73:A:ASP:H	8	2.46
(1,386)	1:75:A:ILE:HG23	1:73:A:ASP:H	8	2.46
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	16	2.46
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	15	2.46
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	15	2.46
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	15	2.46
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	23	2.46
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	11	2.46
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	11	2.46
(1,146)	1:48:A:GLU:HB2	1:41:A:THR:H	6	2.46
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	16	2.46
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	1	2.46
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	1	2.46
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	1	2.46
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	17	2.46
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	17	2.46
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	17	2.46
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	7	2.46
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	17	2.46
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	17	2.45
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	17	2.45
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	17	2.45
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	17	2.45
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	17	2.45
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	17	2.45
(1,1774)	1:24:A:ILE:HD12	1:21:A:ASP:HB2	10	2.45
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG11	6	2.45
(1,1597)	1:79:A:ALA:HB3	1:73:A:ASP:HA	13	2.45
(1,1420)	1:14:A:ILE:HG23	1:11:A:GLY:H	10	2.45
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	13	2.45
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	13	2.45
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	13	2.45
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	13	2.45
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	13	2.45
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	13	2.45
(1,1088)	1:14:A:ILE:HG23	1:17:A:LEU:HB3	4	2.45
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	5	2.45
(1,1088)	1:14:A:ILE:HG21	1:17:A:LEU:HB3	14	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	14	2.45
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	21	2.45
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	21	2.45
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	21	2.45
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	14	2.45
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	14	2.45
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	2	2.45
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	2	2.45
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	21	2.45
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	17	2.45
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	17	2.45
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	17	2.45
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	11	2.45
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	16	2.45
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	8	2.45
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	20	2.45
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	9	2.45
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	16	2.45
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	4	2.45
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	4	2.45
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	4	2.45
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	5	2.45
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	5	2.45
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	5	2.45
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	15	2.44
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	24	2.44
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	24	2.44
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	24	2.44
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	24	2.44
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	24	2.44
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	24	2.44
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	16	2.44
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG12	14	2.44
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	5	2.44
(1,1511)	1:49:A:LEU:HD23	1:79:A:ALA:HB3	16	2.44
(1,1420)	1:14:A:ILE:HD12	1:11:A:GLY:H	13	2.44
(1,1088)	1:14:A:ILE:HG23	1:17:A:LEU:HB3	1	2.44
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	6	2.44
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	4	2.44
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	4	2.44
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	4	2.44
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	22	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	22	2.44
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	22	2.44
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	13	2.44
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	13	2.44
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	13	2.44
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	19	2.44
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	19	2.44
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	14	2.44
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	14	2.44
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	2	2.44
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	2	2.44
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	2	2.44
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	9	2.44
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	9	2.44
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	9	2.44
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	5	2.44
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	13	2.44
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	13	2.44
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	6	2.44
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	10	2.44
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	10	2.44
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	10	2.44
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	23	2.44
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	21	2.44
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	21	2.44
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	25	2.44
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	25	2.44
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	14	2.44
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	5	2.44
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	10	2.44
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	10	2.44
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	10	2.44
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	20	2.44
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	20	2.44
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	20	2.44
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	13	2.44
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	19	2.44
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD11	20	2.43
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG21	17	2.43
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG13	3	2.43
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	12	2.43
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	6	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	8	2.43
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	8	2.43
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	8	2.43
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	8	2.43
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	8	2.43
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	8	2.43
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	8	2.43
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	8	2.43
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	8	2.43
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	12	2.43
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	12	2.43
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	24	2.43
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	24	2.43
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	24	2.43
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	10	2.43
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	10	2.43
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	10	2.43
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	10	2.43
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	10	2.43
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	10	2.43
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB2	24	2.43
(1,845)	1:60:A:ALA:HB1	1:56:A:GLN:HB3	24	2.43
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB2	24	2.43
(1,845)	1:60:A:ALA:HB2	1:56:A:GLN:HB3	24	2.43
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB2	24	2.43
(1,845)	1:60:A:ALA:HB3	1:56:A:GLN:HB3	24	2.43
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	22	2.43
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	1	2.43
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	2	2.43
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	14	2.43
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	3	2.43
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	21	2.43
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	22	2.43
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	18	2.43
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	18	2.43
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	18	2.43
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	25	2.43
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	25	2.43
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	25	2.43
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	1	2.43
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	5	2.43
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	17	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	4	2.43
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	13	2.43
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	13	2.43
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	13	2.43
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	18	2.43
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	18	2.43
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	18	2.43
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	21	2.43
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	21	2.43
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	21	2.43
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	4	2.43
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	5	2.43
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	11	2.43
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	3	2.42
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	13	2.42
(1,1749)	1:14:A:ILE:HD12	1:7:A:GLU:HG3	20	2.42
(1,1616)	1:68:A:ALA:HB2	1:71:A:VAL:HG13	22	2.42
(1,1489)	1:49:A:LEU:HD22	1:46:A:ASP:H	21	2.42
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	2	2.42
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	2	2.42
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	2	2.42
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	2	2.42
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	2	2.42
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	2	2.42
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	1	2.42
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	1	2.42
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	1	2.42
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	1	2.42
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	1	2.42
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	1	2.42
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	17	2.42
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	17	2.42
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	17	2.42
(1,1088)	1:14:A:ILE:HG23	1:17:A:LEU:HB3	6	2.42
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	2	2.42
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	7	2.42
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	25	2.42
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	7	2.42
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	3	2.42
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	3	2.42
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	3	2.42
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	11	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	11	2.42
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	11	2.42
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	2	2.42
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	2	2.42
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	2	2.42
(1,793)	1:75:A:ILE:HD11	1:72:A:ALA:HB3	9	2.42
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	6	2.42
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	6	2.42
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	6	2.42
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	24	2.42
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	24	2.42
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	16	2.42
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	25	2.42
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	7	2.42
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	10	2.42
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	1	2.42
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	2	2.42
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	2	2.42
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	6	2.42
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	6	2.42
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	13	2.42
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	7	2.42
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	19	2.42
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	25	2.42
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	2	2.42
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	9	2.42
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	14	2.42
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	23	2.42
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	23	2.42
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	23	2.42
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	24	2.42
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	24	2.42
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	24	2.42
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	1	2.42
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	25	2.42
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD13	22	2.41
(1,1774)	1:24:A:ILE:HD13	1:21:A:ASP:HB2	11	2.41
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD21	5	2.41
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	6	2.41
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	6	2.41
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	6	2.41
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	6	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	6	2.41
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	6	2.41
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG13	21	2.41
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	19	2.41
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	19	2.41
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	19	2.41
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	19	2.41
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	19	2.41
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	19	2.41
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG22	4	2.41
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	8	2.41
(1,947)	1:53:A:ASP:HB3	1:56:A:GLN:HG2	17	2.41
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	16	2.41
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	16	2.41
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	16	2.41
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	19	2.41
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	19	2.41
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	19	2.41
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	5	2.41
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	5	2.41
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	5	2.41
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	11	2.41
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	11	2.41
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	11	2.41
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	14	2.41
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	12	2.41
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	14	2.41
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	3	2.41
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	9	2.41
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	16	2.41
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	25	2.41
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	3	2.41
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	17	2.41
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	24	2.41
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	12	2.41
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	12	2.41
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	12	2.41
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	24	2.41
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	15	2.41
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	15	2.41
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	16	2.41
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	7	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	1	2.41
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	7	2.41
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	3	2.41
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	3	2.41
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	3	2.41
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	16	2.41
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	16	2.41
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	16	2.41
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	25	2.41
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	25	2.41
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	25	2.41
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	10	2.41
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG23	25	2.4
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD23	4	2.4
(1,1511)	1:49:A:LEU:HD23	1:79:A:ALA:HB3	5	2.4
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	9	2.4
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	2	2.4
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	8	2.4
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	8	2.4
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	8	2.4
(1,1088)	1:14:A:ILE:HG21	1:17:A:LEU:HB3	10	2.4
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	5	2.4
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	5	2.4
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	7	2.4
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	7	2.4
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	7	2.4
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	20	2.4
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	20	2.4
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	20	2.4
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	20	2.4
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	20	2.4
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	20	2.4
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	20	2.4
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	20	2.4
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	20	2.4
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	25	2.4
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	25	2.4
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	25	2.4
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	14	2.4
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	2	2.4
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	16	2.4
(1,658)	1:31:A:MET:HB2	1:37:A:GLY:HA3	20	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	5	2.4
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	15	2.4
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	15	2.4
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	15	2.4
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	2	2.4
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	3	2.4
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	12	2.4
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	4	2.4
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	22	2.4
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	22	2.4
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	22	2.4
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	13	2.4
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	13	2.4
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	17	2.4
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	17	2.4
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	15	2.4
(1,131)	1:22:A:PHE:HB3	1:30:A:LEU:H	20	2.4
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	6	2.4
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	12	2.4
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	12	2.4
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	12	2.4
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	21	2.4
(3,3)	1:7:A:GLU:H	1:3:A:MET:O	23	2.39
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	9	2.39
(1,1774)	1:24:A:ILE:HD11	1:21:A:ASP:HB2	14	2.39
(1,1774)	1:24:A:ILE:HD11	1:21:A:ASP:HB2	25	2.39
(1,1526)	1:71:A:VAL:HG11	1:65:A:PHE:HA	12	2.39
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	22	2.39
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	19	2.39
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	19	2.39
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	19	2.39
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	6	2.39
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	17	2.39
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	17	2.39
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	25	2.39
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	25	2.39
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	25	2.39
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	4	2.39
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	4	2.39
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	4	2.39
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	3	2.39
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	3	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	3	2.39
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	12	2.39
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	12	2.39
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	12	2.39
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	18	2.39
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	25	2.39
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	6	2.39
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	6	2.39
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	18	2.39
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	18	2.39
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	19	2.39
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	10	2.39
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	8	2.39
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	9	2.39
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	9	2.39
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	13	2.39
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	15	2.39
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	17	2.39
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	21	2.39
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	1	2.39
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	22	2.39
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	22	2.39
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	10	2.39
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	13	2.39
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	18	2.39
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	21	2.39
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	14	2.39
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	6	2.39
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	6	2.39
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	25	2.39
(1,1794)	1:7:A:GLU:HG3	1:13:A:ILE:HD11	25	2.38
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	11	2.38
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	11	2.38
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	11	2.38
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	11	2.38
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	11	2.38
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	11	2.38
(1,1511)	1:49:A:LEU:HD21	1:79:A:ALA:HB2	14	2.38
(1,1489)	1:49:A:LEU:HD22	1:46:A:ASP:H	25	2.38
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	4	2.38
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	4	2.38
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	4	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	4	2.38
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	4	2.38
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	4	2.38
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	7	2.38
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	7	2.38
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	7	2.38
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	7	2.38
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	7	2.38
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	7	2.38
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	14	2.38
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	14	2.38
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	14	2.38
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	14	2.38
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	14	2.38
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	14	2.38
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	19	2.38
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	19	2.38
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	19	2.38
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	20	2.38
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	16	2.38
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	19	2.38
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	19	2.38
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	19	2.38
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	25	2.38
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	25	2.38
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	25	2.38
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	14	2.38
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	14	2.38
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	14	2.38
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	15	2.38
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	23	2.38
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	20	2.38
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	19	2.38
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	3	2.38
(1,532)	1:35:A:PRO:HG3	1:13:A:ILE:HA	4	2.38
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	19	2.38
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	24	2.38
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	24	2.38
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	24	2.38
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	22	2.38
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	6	2.38
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	10	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	12	2.38
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	18	2.38
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	4	2.38
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	6	2.38
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	13	2.38
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	3	2.38
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	2	2.38
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	22	2.38
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	13	2.38
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	21	2.38
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	3	2.38
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	6	2.38
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	15	2.38
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	7	2.37
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	25	2.37
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	25	2.37
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	25	2.37
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	25	2.37
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	25	2.37
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	25	2.37
(1,1774)	1:24:A:ILE:HD13	1:21:A:ASP:HB2	16	2.37
(1,1749)	1:14:A:ILE:HD11	1:7:A:GLU:HG3	25	2.37
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	22	2.37
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	22	2.37
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	22	2.37
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	22	2.37
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	22	2.37
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	22	2.37
(1,1542)	1:41:A:THR:HG23	1:39:A:ASP:HB3	25	2.37
(1,1511)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	2	2.37
(1,1420)	1:14:A:ILE:HD12	1:11:A:GLY:H	18	2.37
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	13	2.37
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	20	2.37
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	3	2.37
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	3	2.37
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	3	2.37
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	19	2.37
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	19	2.37
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	19	2.37
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG21	19	2.37
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	4	2.37
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	7	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	7	2.37
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	7	2.37
(1,1021)	1:55:A:GLY:H	1:58:A:LEU:HB2	16	2.37
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	5	2.37
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	5	2.37
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	5	2.37
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	7	2.37
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	7	2.37
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	6	2.37
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	6	2.37
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	6	2.37
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	11	2.37
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	13	2.37
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	13	2.37
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	22	2.37
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	6	2.37
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	21	2.37
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	25	2.37
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	11	2.37
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	3	2.37
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	19	2.37
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	5	2.37
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	15	2.37
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	16	2.37
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	23	2.37
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	13	2.37
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	14	2.37
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	8	2.37
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	5	2.37
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	20	2.37
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	25	2.37
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	3	2.37
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	9	2.37
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	12	2.37
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	1	2.37
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	11	2.37
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	11	2.37
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	11	2.37
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	2	2.37
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	9	2.37
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	13	2.36
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG23	8	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1597)	1:79:A:ALA:HB1	1:73:A:ASP:HA	14	2.36
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	21	2.36
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	2	2.36
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG13	6	2.36
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	7	2.36
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	10	2.36
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	15	2.36
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	15	2.36
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	15	2.36
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	8	2.36
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	8	2.36
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	8	2.36
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	25	2.36
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	12	2.36
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	12	2.36
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	12	2.36
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	21	2.36
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	21	2.36
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	21	2.36
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	3	2.36
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	3	2.36
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	3	2.36
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	10	2.36
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	10	2.36
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	10	2.36
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	1	2.36
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	1	2.36
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	1	2.36
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	17	2.36
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	17	2.36
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	17	2.36
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	10	2.36
(1,637)	1:10:A:ARG:HD3	1:70:A:GLU:HA	11	2.36
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	11	2.36
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	12	2.36
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	11	2.36
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	14	2.36
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	17	2.36
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	1	2.36
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	2	2.36
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	9	2.36
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	8	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	12	2.36
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	7	2.36
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	20	2.36
(1,168)	1:78:A:LYS:HB2	1:75:A:ILE:H	11	2.36
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	1	2.36
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	11	2.36
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG23	20	2.35
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	2	2.35
(1,1597)	1:79:A:ALA:HB1	1:73:A:ASP:HA	17	2.35
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	19	2.35
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	20	2.35
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	8	2.35
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	8	2.35
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	8	2.35
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	1	2.35
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	1	2.35
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	1	2.35
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	24	2.35
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	24	2.35
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	24	2.35
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	4	2.35
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	4	2.35
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	4	2.35
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	1	2.35
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	15	2.35
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	15	2.35
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	15	2.35
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	18	2.35
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	18	2.35
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	18	2.35
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	15	2.35
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	15	2.35
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	15	2.35
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	19	2.35
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	19	2.35
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	19	2.35
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	20	2.35
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	20	2.35
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	20	2.35
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	16	2.35
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	16	2.35
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	16	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	8	2.35
(1,663)	1:48:A:GLU:HG3	1:40:A:THR:HA	6	2.35
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	21	2.35
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	25	2.35
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	18	2.35
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	19	2.35
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	17	2.35
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	17	2.35
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	17	2.35
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	21	2.35
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	21	2.35
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	21	2.35
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	15	2.35
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	1	2.35
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	11	2.35
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	6	2.35
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	11	2.35
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	11	2.35
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	11	2.35
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	12	2.35
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	8	2.35
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	8	2.35
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	22	2.35
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	2	2.34
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	2	2.34
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	2	2.34
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	2	2.34
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	2	2.34
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	2	2.34
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	20	2.34
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	20	2.34
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	20	2.34
(1,1088)	1:14:A:ILE:HG23	1:17:A:LEU:HB3	11	2.34
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	1	2.34
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	1	2.34
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	1	2.34
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	25	2.34
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	25	2.34
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	25	2.34
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	23	2.34
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	11	2.34
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	11	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	1	2.34
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	3	2.34
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	15	2.34
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	5	2.34
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	8	2.34
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	8	2.34
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	8	2.34
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	17	2.34
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	23	2.34
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	17	2.34
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	17	2.34
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	17	2.34
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	10	2.34
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	20	2.34
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	6	2.34
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	22	2.34
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	8	2.34
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	8	2.34
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	21	2.34
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	15	2.34
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	24	2.34
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	23	2.34
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	13	2.33
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	13	2.33
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	13	2.33
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	13	2.33
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	13	2.33
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	13	2.33
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	16	2.33
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	16	2.33
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	16	2.33
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	16	2.33
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	16	2.33
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	16	2.33
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	3	2.33
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	7	2.33
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG12	10	2.33
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	14	2.33
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG12	24	2.33
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	18	2.33
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	16	2.33
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	16	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	16	2.33
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	16	2.33
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	16	2.33
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	16	2.33
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	1	2.33
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	5	2.33
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	22	2.33
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	5	2.33
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	5	2.33
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	5	2.33
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	3	2.33
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	3	2.33
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	3	2.33
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	23	2.33
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	23	2.33
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	23	2.33
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	2	2.33
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	18	2.33
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	23	2.33
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	23	2.33
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	21	2.33
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	21	2.33
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	21	2.33
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	6	2.33
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	6	2.33
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB1	11	2.33
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	15	2.33
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	7	2.33
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	7	2.33
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	6	2.33
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	21	2.33
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	6	2.33
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	6	2.33
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	6	2.33
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	3	2.33
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	3	2.33
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	3	2.33
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	6	2.33
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	6	2.33
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	6	2.33
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	6	2.33
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	20	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	20	2.33
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	20	2.33
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	5	2.33
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	23	2.33
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	9	2.33
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	9	2.33
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	8	2.33
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	17	2.33
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	3	2.33
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	20	2.33
(1,26)	1:38:A:PRO:HA	1:51:A:ALA:H	13	2.33
(1,1774)	1:24:A:ILE:HD13	1:21:A:ASP:HB2	21	2.32
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	2	2.32
(1,1532)	1:76:A:VAL:HG13	1:69:A:GLU:HA	13	2.32
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	8	2.32
(1,1526)	1:71:A:VAL:HG11	1:65:A:PHE:HA	15	2.32
(1,1511)	1:49:A:LEU:HD22	1:79:A:ALA:HB3	1	2.32
(1,1511)	1:49:A:LEU:HD23	1:79:A:ALA:HB1	13	2.32
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	4	2.32
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	4	2.32
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	4	2.32
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	4	2.32
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	4	2.32
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	4	2.32
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	13	2.32
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	13	2.32
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	13	2.32
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	13	2.32
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	13	2.32
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	13	2.32
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	16	2.32
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	16	2.32
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	16	2.32
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	16	2.32
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	16	2.32
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	16	2.32
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	9	2.32
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	9	2.32
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	9	2.32
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	9	2.32
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	9	2.32
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	9	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	9	2.32
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	9	2.32
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	9	2.32
(1,1168)	1:65:A:PHE:HZ	1:71:A:VAL:HB	9	2.32
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	9	2.32
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	9	2.32
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	9	2.32
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	3	2.32
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG22	7	2.32
(1,1088)	1:14:A:ILE:HG21	1:17:A:LEU:HB3	15	2.32
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD13	15	2.32
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	20	2.32
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	20	2.32
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	11	2.32
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	6	2.32
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	6	2.32
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	6	2.32
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	6	2.32
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	9	2.32
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	21	2.32
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	25	2.32
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	25	2.32
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	25	2.32
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	18	2.32
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	15	2.32
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	5	2.32
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	5	2.32
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	5	2.32
(1,341)	1:31:A:MET:HE2	1:28:A:GLU:H	16	2.32
(1,262)	1:44:A:SER:HB3	1:42:A:CYS:H	17	2.32
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	5	2.32
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	16	2.32
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	19	2.32
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	16	2.32
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	18	2.32
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	20	2.32
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	14	2.31
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	17	2.31
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	24	2.31
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	7	2.31
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	7	2.31
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	7	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	7	2.31
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	7	2.31
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	7	2.31
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	3	2.31
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	3	2.31
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	3	2.31
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	4	2.31
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	4	2.31
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	4	2.31
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	23	2.31
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	23	2.31
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	23	2.31
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	14	2.31
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	14	2.31
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	14	2.31
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	7	2.31
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	7	2.31
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	7	2.31
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG2	4	2.31
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD13	23	2.31
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD13	23	2.31
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD13	23	2.31
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	4	2.31
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	4	2.31
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	17	2.31
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	17	2.31
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	17	2.31
(1,862)	1:24:A:ILE:HG21	1:62:A:ASP:HB2	9	2.31
(1,862)	1:24:A:ILE:HG22	1:62:A:ASP:HB2	9	2.31
(1,862)	1:24:A:ILE:HG23	1:62:A:ASP:HB2	9	2.31
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	13	2.31
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	12	2.31
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	1	2.31
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	1	2.31
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	1	2.31
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	19	2.31
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	19	2.31
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	19	2.31
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	20	2.31
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	23	2.31
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	24	2.31
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	21	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	13	2.31
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	4	2.31
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	4	2.31
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	4	2.31
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	23	2.31
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	23	2.31
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	23	2.31
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	12	2.31
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	1	2.31
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	1	2.31
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	11	2.31
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	12	2.31
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	24	2.31
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	4	2.31
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	10	2.3
(1,1597)	1:79:A:ALA:HB1	1:73:A:ASP:HA	15	2.3
(1,1543)	1:41:A:THR:HG23	1:39:A:ASP:HB2	16	2.3
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	23	2.3
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	10	2.3
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	10	2.3
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	10	2.3
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	10	2.3
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	10	2.3
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	10	2.3
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	21	2.3
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	17	2.3
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	17	2.3
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	17	2.3
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	4	2.3
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	4	2.3
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	4	2.3
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD13	23	2.3
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	4	2.3
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	5	2.3
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	21	2.3
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	21	2.3
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	21	2.3
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	9	2.3
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	9	2.3
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	9	2.3
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	16	2.3
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	16	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	16	2.3
(1,834)	1:24:A:ILE:HD11	1:28:A:GLU:HA	22	2.3
(1,834)	1:24:A:ILE:HD12	1:28:A:GLU:HA	22	2.3
(1,834)	1:24:A:ILE:HD13	1:28:A:GLU:HA	22	2.3
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	5	2.3
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	5	2.3
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	5	2.3
(1,764)	1:66:A:LYS:HB2	1:64:A:PRO:HB3	7	2.3
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	25	2.3
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	4	2.3
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	7	2.3
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	13	2.3
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	24	2.3
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	24	2.3
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	24	2.3
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	24	2.3
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	24	2.3
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	24	2.3
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	24	2.3
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	24	2.3
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	24	2.3
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	11	2.3
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	11	2.3
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	11	2.3
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	11	2.3
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	22	2.3
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	22	2.3
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	22	2.3
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	4	2.3
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	8	2.3
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	19	2.3
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	7	2.3
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	17	2.3
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	2	2.3
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	8	2.3
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	8	2.3
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	8	2.3
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	5	2.3
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	17	2.3
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	5	2.3
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	5	2.3
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	12	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	24	2.3
(1,1794)	1:7:A:GLU:HG2	1:13:A:ILE:HD13	15	2.29
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG23	1	2.29
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	10	2.29
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	10	2.29
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	10	2.29
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	10	2.29
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	10	2.29
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	10	2.29
(1,1542)	1:41:A:THR:HG23	1:39:A:ASP:HB3	1	2.29
(1,1542)	1:41:A:THR:HG22	1:39:A:ASP:HB3	8	2.29
(1,1542)	1:41:A:THR:HG21	1:39:A:ASP:HB3	20	2.29
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	20	2.29
(1,1438)	1:17:A:LEU:HD23	1:70:A:GLU:H	22	2.29
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	3	2.29
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	3	2.29
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	3	2.29
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	3	2.29
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	3	2.29
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	3	2.29
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	15	2.29
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	15	2.29
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	15	2.29
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	22	2.29
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	22	2.29
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	22	2.29
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	9	2.29
(1,1053)	1:35:A:PRO:HG2	1:31:A:MET:HA	9	2.29
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	14	2.29
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	14	2.29
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	14	2.29
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	22	2.29
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	22	2.29
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	22	2.29
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA2	1	2.29
(1,871)	1:7:A:GLU:HB2	1:4:A:GLY:HA3	1	2.29
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	8	2.29
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	15	2.29
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	9	2.29
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	10	2.29
(1,473)	1:22:A:PHE:HE1	1:62:A:ASP:H	2	2.29
(1,473)	1:22:A:PHE:HE2	1:62:A:ASP:H	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	7	2.29
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	9	2.29
(1,369)	1:22:A:PHE:HB2	1:26:A:SER:H	18	2.29
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	9	2.29
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	23	2.29
(1,230)	1:56:A:GLN:H	1:59:A:THR:H	16	2.29
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	20	2.29
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	18	2.29
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	25	2.29
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	7	2.29
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	22	2.29
(1,1819)	1:62:A:ASP:HA	1:22:A:PHE:HE2	2	2.28
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	2	2.28
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	23	2.28
(1,1599)	1:13:A:ILE:HD13	1:73:A:ASP:HA	13	2.28
(1,1511)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	10	2.28
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	24	2.28
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	14	2.28
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	14	2.28
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	14	2.28
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	14	2.28
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	14	2.28
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	14	2.28
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	12	2.28
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	22	2.28
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	22	2.28
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	22	2.28
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	22	2.28
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	24	2.28
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	21	2.28
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	21	2.28
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	21	2.28
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	21	2.28
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	21	2.28
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	21	2.28
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	17	2.28
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	7	2.28
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	9	2.28
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	4	2.28
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	5	2.28
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	7	2.28
(1,440)	1:17:A:LEU:HB2	1:14:A:ILE:H	6	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	17	2.28
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	4	2.28
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	11	2.28
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	3	2.28
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	5	2.28
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	12	2.28
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	12	2.28
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	12	2.28
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	12	2.27
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	12	2.27
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	12	2.27
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	12	2.27
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	12	2.27
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	12	2.27
(1,1597)	1:79:A:ALA:HB1	1:73:A:ASP:HA	9	2.27
(1,1526)	1:71:A:VAL:HG11	1:65:A:PHE:HA	11	2.27
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG13	2	2.27
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	18	2.27
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	5	2.27
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	8	2.27
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	8	2.27
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	8	2.27
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	8	2.27
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	8	2.27
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	8	2.27
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	25	2.27
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	25	2.27
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	25	2.27
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG22	23	2.27
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	17	2.27
(1,1061)	1:35:A:PRO:HD2	1:31:A:MET:HB3	9	2.27
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	14	2.27
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	14	2.27
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	14	2.27
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	6	2.27
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	13	2.27
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	13	2.27
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	13	2.27
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	13	2.27
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	13	2.27
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	13	2.27
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	3	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	3	2.27
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	3	2.27
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	3	2.27
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	3	2.27
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	3	2.27
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	18	2.27
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	5	2.27
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	5	2.27
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	13	2.27
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	13	2.27
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	13	2.27
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB3	5	2.27
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	25	2.27
(1,664)	1:48:A:GLU:HB3	1:40:A:THR:HA	12	2.27
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	12	2.27
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	12	2.27
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	12	2.27
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	23	2.27
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	23	2.27
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	23	2.27
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	13	2.27
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	18	2.27
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	3	2.27
(1,357)	1:70:A:GLU:HB3	1:77:A:ASN:HD21	24	2.27
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	3	2.27
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	17	2.27
(1,164)	1:66:A:LYS:HA	1:69:A:GLU:H	6	2.27
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	20	2.27
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	20	2.27
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG21	22	2.26
(1,1709)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	18	2.26
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	20	2.26
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	20	2.26
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	20	2.26
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	20	2.26
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	20	2.26
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	20	2.26
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	14	2.26
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG22	2	2.26
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	13	2.26
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	13	2.26
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	13	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	7	2.26
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD13	1	2.26
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	19	2.26
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	19	2.26
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	19	2.26
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	19	2.26
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	19	2.26
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	19	2.26
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	21	2.26
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	21	2.26
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	21	2.26
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	16	2.26
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	16	2.26
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	16	2.26
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	12	2.26
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	12	2.26
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	22	2.26
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	22	2.26
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	22	2.26
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	22	2.26
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	16	2.26
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	2	2.26
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	3	2.26
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	3	2.26
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	3	2.26
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	8	2.26
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	6	2.26
(1,70)	1:81:A:LEU:HD21	1:78:A:LYS:H	22	2.26
(1,70)	1:81:A:LEU:HD22	1:78:A:LYS:H	22	2.26
(1,70)	1:81:A:LEU:HD23	1:78:A:LYS:H	22	2.26
(1,1535)	1:24:A:ILE:HD13	1:69:A:GLU:HB3	22	2.25
(1,1511)	1:49:A:LEU:HD21	1:79:A:ALA:HB2	24	2.25
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	15	2.25
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	23	2.25
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	23	2.25
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	23	2.25
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG22	11	2.25
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	12	2.25
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	13	2.25
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	17	2.25
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	16	2.25
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	16	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	16	2.25
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	16	2.25
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	16	2.25
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	16	2.25
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	14	2.25
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	14	2.25
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	14	2.25
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	5	2.25
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	5	2.25
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	5	2.25
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	9	2.25
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	9	2.25
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	17	2.25
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	9	2.25
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	9	2.25
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	8	2.25
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	13	2.25
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	2	2.25
(1,450)	1:26:A:SER:HB3	1:30:A:LEU:H	24	2.25
(1,432)	1:12:A:GLN:HB3	1:8:A:ASP:H	20	2.25
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	14	2.25
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	14	2.25
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	16	2.25
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	23	2.25
(1,123)	1:65:A:PHE:HD2	1:66:A:LYS:H	8	2.25
(1,31)	1:11:A:GLY:HA3	1:8:A:ASP:H	24	2.25
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	11	2.24
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	20	2.24
(1,1597)	1:79:A:ALA:HB1	1:73:A:ASP:HA	10	2.24
(1,1597)	1:79:A:ALA:HB1	1:73:A:ASP:HA	18	2.24
(1,1535)	1:24:A:ILE:HD12	1:69:A:GLU:HB3	25	2.24
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	22	2.24
(1,1516)	1:76:A:VAL:HA	1:57:A:VAL:HG12	10	2.24
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	3	2.24
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	19	2.24
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	1	2.24
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	1	2.24
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	1	2.24
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	1	2.24
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	1	2.24
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	1	2.24
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	3	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	3	2.24
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	3	2.24
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	3	2.24
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	3	2.24
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	3	2.24
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	3	2.24
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	3	2.24
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	3	2.24
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG21	12	2.24
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	12	2.24
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	10	2.24
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	10	2.24
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	10	2.24
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	10	2.24
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	10	2.24
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	10	2.24
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	15	2.24
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	15	2.24
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	15	2.24
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	15	2.24
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	15	2.24
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	15	2.24
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	6	2.24
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	6	2.24
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	6	2.24
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	6	2.24
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	6	2.24
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	6	2.24
(1,922)	1:13:A:ILE:HD11	1:10:A:ARG:HB2	24	2.24
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	3	2.24
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	6	2.24
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	9	2.24
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	12	2.24
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	5	2.24
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	16	2.24
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	16	2.24
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	16	2.24
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	4	2.24
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	4	2.24
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	4	2.24
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	22	2.24
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	22	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	11	2.24
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	11	2.24
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	11	2.24
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	1	2.24
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	1	2.24
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	1	2.24
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	2	2.24
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	2	2.24
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	2	2.24
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	9	2.24
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	1	2.24
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	8	2.24
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	16	2.24
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	16	2.24
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB1	19	2.23
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB2	19	2.23
(2,5)	1:48:A:GLU:HB2	1:51:A:ALA:HB3	19	2.23
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB1	19	2.23
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB2	19	2.23
(2,5)	1:48:A:GLU:HB3	1:51:A:ALA:HB3	19	2.23
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	16	2.23
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	12	2.23
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	15	2.23
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	15	2.23
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	15	2.23
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	15	2.23
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	15	2.23
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	15	2.23
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	20	2.23
(1,1543)	1:41:A:THR:HG23	1:39:A:ASP:HB2	11	2.23
(1,1526)	1:71:A:VAL:HG13	1:65:A:PHE:HA	6	2.23
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	2	2.23
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	4	2.23
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	8	2.23
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	23	2.23
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	17	2.23
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	5	2.23
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	22	2.23
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	25	2.23
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG21	10	2.23
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG22	13	2.23
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	18	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1093)	1:76:A:VAL:HG11	1:7:A:GLU:HG2	18	2.23
(1,1093)	1:76:A:VAL:HG12	1:7:A:GLU:HG2	18	2.23
(1,1093)	1:76:A:VAL:HG13	1:7:A:GLU:HG2	18	2.23
(1,1088)	1:14:A:ILE:HG23	1:17:A:LEU:HB3	18	2.23
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	22	2.23
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	5	2.23
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	13	2.23
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD13	24	2.23
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	18	2.23
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	18	2.23
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	18	2.23
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	18	2.23
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	18	2.23
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	18	2.23
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	22	2.23
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	22	2.23
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	22	2.23
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	22	2.23
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	22	2.23
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	22	2.23
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	20	2.23
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	20	2.23
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	20	2.23
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	20	2.23
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	20	2.23
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	20	2.23
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	25	2.23
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	25	2.23
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	25	2.23
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	25	2.23
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	25	2.23
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	25	2.23
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	13	2.23
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	13	2.23
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	13	2.23
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	13	2.23
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	19	2.23
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	19	2.23
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	19	2.23
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	19	2.23
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	15	2.23
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	3	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	3	2.23
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	3	2.23
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	13	2.23
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	14	2.23
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	14	2.23
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	14	2.23
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	24	2.23
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	24	2.23
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	24	2.23
(1,325)	1:58:A:LEU:HB3	1:56:A:GLN:H	16	2.23
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	7	2.23
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	7	2.23
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	19	2.23
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	19	2.23
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	22	2.23
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	23	2.23
(1,1535)	1:24:A:ILE:HD12	1:69:A:GLU:HB3	12	2.22
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG12	5	2.22
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG13	15	2.22
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	1	2.22
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	7	2.22
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	9	2.22
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	13	2.22
(1,1469)	1:7:A:GLU:HG2	1:73:A:ASP:H	18	2.22
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	21	2.22
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	21	2.22
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	21	2.22
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	21	2.22
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	21	2.22
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	21	2.22
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	8	2.22
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	21	2.22
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	9	2.22
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	1	2.22
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	1	2.22
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	1	2.22
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	1	2.22
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	1	2.22
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	1	2.22
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	8	2.22
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	8	2.22
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	8	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	8	2.22
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	8	2.22
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	8	2.22
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	9	2.22
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	9	2.22
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	9	2.22
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	9	2.22
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	9	2.22
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	9	2.22
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	9	2.22
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	9	2.22
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	9	2.22
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	9	2.22
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	9	2.22
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	9	2.22
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	16	2.22
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	16	2.22
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	16	2.22
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	21	2.22
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	18	2.22
(1,532)	1:35:A:PRO:HG2	1:13:A:ILE:HA	17	2.22
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	13	2.22
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	20	2.22
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	23	2.22
(1,1816)	1:66:A:LYS:HG2	1:22:A:PHE:HE2	22	2.21
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	2	2.21
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	15	2.21
(1,1599)	1:75:A:ILE:HG22	1:73:A:ASP:HA	24	2.21
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	16	2.21
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	16	2.21
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	16	2.21
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	16	2.21
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	16	2.21
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	16	2.21
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	21	2.21
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	21	2.21
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	21	2.21
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	21	2.21
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	21	2.21
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	21	2.21
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG12	7	2.21
(1,1511)	1:49:A:LEU:HD21	1:79:A:ALA:HB1	3	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	5	2.21
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	12	2.21
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	25	2.21
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	25	2.21
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	25	2.21
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	25	2.21
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	25	2.21
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	25	2.21
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	25	2.21
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	19	2.21
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	19	2.21
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	19	2.21
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	19	2.21
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	19	2.21
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	19	2.21
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	4	2.21
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	4	2.21
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	4	2.21
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	4	2.21
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	4	2.21
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	4	2.21
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	4	2.21
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	4	2.21
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	4	2.21
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	24	2.21
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG21	6	2.21
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	15	2.21
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG22	17	2.21
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	6	2.21
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	6	2.21
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	6	2.21
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	4	2.21
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	1	2.21
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	1	2.21
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	1	2.21
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	1	2.21
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	1	2.21
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	1	2.21
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	22	2.21
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	22	2.21
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	22	2.21
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	22	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	22	2.21
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	22	2.21
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA2	13	2.21
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA3	13	2.21
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	22	2.21
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	22	2.21
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	22	2.21
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	22	2.21
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	22	2.21
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	8	2.21
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	23	2.21
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	23	2.21
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	8	2.21
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	12	2.21
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	12	2.21
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	12	2.21
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	7	2.21
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	7	2.21
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	7	2.21
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	16	2.21
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	16	2.21
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	16	2.21
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	16	2.21
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	16	2.21
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	16	2.21
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	4	2.21
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	17	2.2
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	17	2.2
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	17	2.2
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	17	2.2
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	17	2.2
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	17	2.2
(1,1597)	1:79:A:ALA:HB3	1:73:A:ASP:HA	25	2.2
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG13	12	2.2
(1,1511)	1:49:A:LEU:HD21	1:79:A:ALA:HB1	4	2.2
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	6	2.2
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	15	2.2
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	18	2.2
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	23	2.2
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	19	2.2
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	19	2.2
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	19	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	19	2.2
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	19	2.2
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	19	2.2
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	19	2.2
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	19	2.2
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	19	2.2
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	17	2.2
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	25	2.2
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	1	2.2
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	1	2.2
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	16	2.2
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	16	2.2
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	16	2.2
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	25	2.2
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	25	2.2
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	25	2.2
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	6	2.2
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	3	2.2
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	3	2.2
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	3	2.2
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	3	2.2
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	3	2.2
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	3	2.2
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	20	2.2
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	20	2.2
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	20	2.2
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	20	2.2
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	20	2.2
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	20	2.2
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	12	2.2
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	12	2.2
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	12	2.2
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	12	2.2
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	12	2.2
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	12	2.2
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	9	2.2
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	15	2.2
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	23	2.2
(1,933)	1:59:A:THR:HG21	1:56:A:GLN:HA	16	2.2
(1,933)	1:59:A:THR:HG22	1:56:A:GLN:HA	16	2.2
(1,933)	1:59:A:THR:HG23	1:56:A:GLN:HA	16	2.2
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB1	8	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	14	2.2
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	25	2.2
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	15	2.2
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	15	2.2
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	15	2.2
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	22	2.2
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	22	2.2
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	22	2.2
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	21	2.2
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	21	2.2
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	21	2.2
(1,495)	1:80:A:GLY:HA2	1:76:A:VAL:H	24	2.2
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	17	2.2
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	15	2.2
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	16	2.2
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	10	2.2
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	10	2.2
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	8	2.2
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	8	2.2
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	8	2.2
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	6	2.2
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	2	2.2
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	23	2.2
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	14	2.19
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	12	2.19
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	1	2.19
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	1	2.19
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	1	2.19
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	1	2.19
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	1	2.19
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	1	2.19
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	5	2.19
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	5	2.19
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	5	2.19
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	5	2.19
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	5	2.19
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	5	2.19
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	20	2.19
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	20	2.19
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	20	2.19
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	20	2.19
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	20	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	20	2.19
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	11	2.19
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	17	2.19
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	6	2.19
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	12	2.19
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	17	2.19
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	3	2.19
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	3	2.19
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	3	2.19
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	3	2.19
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	3	2.19
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	3	2.19
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	3	2.19
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	10	2.19
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD11	18	2.19
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD12	18	2.19
(1,1159)	1:7:A:GLU:HA	1:13:A:ILE:HD13	18	2.19
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	7	2.19
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	7	2.19
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	7	2.19
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG21	14	2.19
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	8	2.19
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	8	2.19
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	8	2.19
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	15	2.19
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	15	2.19
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	15	2.19
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	8	2.19
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	8	2.19
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	8	2.19
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	8	2.19
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	8	2.19
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	8	2.19
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	18	2.19
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	18	2.19
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	18	2.19
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	18	2.19
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	18	2.19
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	18	2.19
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD13	9	2.19
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD13	9	2.19
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD13	9	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	1	2.19
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	11	2.19
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	21	2.19
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	13	2.19
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	13	2.19
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	19	2.19
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	19	2.19
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	20	2.19
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	20	2.19
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	20	2.19
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	10	2.19
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	10	2.19
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	10	2.19
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	3	2.19
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	3	2.19
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	3	2.19
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	3	2.19
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	3	2.19
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	3	2.19
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	3	2.19
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	3	2.19
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	3	2.19
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	6	2.19
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	6	2.19
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	15	2.19
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	15	2.19
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	8	2.19
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	20	2.19
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	23	2.19
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	23	2.19
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	23	2.19
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	19	2.19
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	4	2.19
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	4	2.19
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	4	2.19
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	15	2.19
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	16	2.19
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	18	2.19
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	12	2.19
(1,1542)	1:41:A:THR:HG22	1:39:A:ASP:HB3	13	2.18
(1,1535)	1:24:A:ILE:HD11	1:69:A:GLU:HB3	15	2.18
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	11	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	10	2.18
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	14	2.18
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	22	2.18
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	24	2.18
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	24	2.18
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	6	2.18
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	6	2.18
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	6	2.18
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	6	2.18
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	6	2.18
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	6	2.18
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	12	2.18
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	12	2.18
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	12	2.18
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	12	2.18
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	12	2.18
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	12	2.18
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	21	2.18
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	24	2.18
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	6	2.18
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	21	2.18
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	24	2.18
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	12	2.18
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	12	2.18
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	12	2.18
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	15	2.18
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	15	2.18
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	15	2.18
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	15	2.18
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	15	2.18
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	15	2.18
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	8	2.18
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	8	2.18
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	8	2.18
(1,793)	1:75:A:ILE:HD12	1:72:A:ALA:HB2	16	2.18
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	7	2.18
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	24	2.18
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	15	2.18
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	16	2.18
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	15	2.18
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	15	2.18
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	15	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	16	2.18
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	16	2.18
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	16	2.18
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	19	2.18
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	19	2.18
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	19	2.18
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	2	2.18
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	2	2.18
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	2	2.18
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	23	2.18
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	13	2.18
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	14	2.18
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD11	23	2.17
(1,1709)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	23	2.17
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	3	2.17
(1,1599)	1:13:A:ILE:HD13	1:73:A:ASP:HA	10	2.17
(1,1535)	1:24:A:ILE:HD11	1:69:A:GLU:HB3	24	2.17
(1,1511)	1:49:A:LEU:HD23	1:79:A:ALA:HB2	11	2.17
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	16	2.17
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	20	2.17
(1,1503)	1:26:A:SER:HA	1:29:A:GLU:HB3	21	2.17
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	1	2.17
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	6	2.17
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	17	2.17
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	25	2.17
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	25	2.17
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	25	2.17
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	25	2.17
(1,1088)	1:14:A:ILE:HG22	1:17:A:LEU:HB3	25	2.17
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	17	2.17
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	17	2.17
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	17	2.17
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	10	2.17
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	10	2.17
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	10	2.17
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	10	2.17
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	10	2.17
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	10	2.17
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	2	2.17
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	2	2.17
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	2	2.17
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	6	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	4	2.17
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	5	2.17
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	24	2.17
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	6	2.17
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	13	2.17
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	13	2.17
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	13	2.17
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	14	2.17
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	14	2.17
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	14	2.17
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	25	2.17
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	25	2.17
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	25	2.17
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	6	2.17
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	3	2.17
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	3	2.17
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	3	2.17
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	5	2.17
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	5	2.17
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	5	2.17
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	18	2.17
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	18	2.17
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	18	2.17
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	21	2.17
(1,1774)	1:24:A:ILE:HD12	1:21:A:ASP:HB2	22	2.16
(1,1597)	1:79:A:ALA:HB1	1:73:A:ASP:HA	24	2.16
(1,1535)	1:24:A:ILE:HD13	1:69:A:GLU:HB3	13	2.16
(1,1526)	1:71:A:VAL:HG11	1:65:A:PHE:HA	16	2.16
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	21	2.16
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG13	16	2.16
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	16	2.16
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	2	2.16
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	2	2.16
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	2	2.16
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	2	2.16
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	2	2.16
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	2	2.16
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	2	2.16
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	2	2.16
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	2	2.16
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	13	2.16
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	13	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	13	2.16
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	13	2.16
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	13	2.16
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	13	2.16
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	13	2.16
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	13	2.16
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	13	2.16
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	12	2.16
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	10	2.16
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	10	2.16
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	10	2.16
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	13	2.16
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	13	2.16
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	13	2.16
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG23	16	2.16
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	10	2.16
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	10	2.16
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	10	2.16
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	19	2.16
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	19	2.16
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	19	2.16
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	19	2.16
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	19	2.16
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	19	2.16
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG3	16	2.16
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	20	2.16
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	20	2.16
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	2	2.16
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	18	2.16
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	10	2.16
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	14	2.16
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	14	2.16
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	14	2.16
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	16	2.16
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	2	2.16
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	13	2.16
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	14	2.16
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	25	2.16
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	1	2.16
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	23	2.16
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	23	2.16
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	19	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	19	2.16
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	19	2.16
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	22	2.16
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	22	2.16
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	22	2.16
(1,198)	1:31:A:MET:HB3	1:37:A:GLY:H	2	2.16
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	11	2.16
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	15	2.16
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	20	2.16
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	25	2.15
(1,1599)	1:13:A:ILE:HD13	1:73:A:ASP:HA	11	2.15
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	14	2.15
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	14	2.15
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	14	2.15
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	14	2.15
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	14	2.15
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	14	2.15
(1,1597)	1:79:A:ALA:HB2	1:73:A:ASP:HA	12	2.15
(1,1535)	1:24:A:ILE:HD13	1:69:A:GLU:HB3	6	2.15
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	23	2.15
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	11	2.15
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	15	2.15
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	15	2.15
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	15	2.15
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	14	2.15
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	14	2.15
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	14	2.15
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	8	2.15
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	8	2.15
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	8	2.15
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	13	2.15
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	16	2.15
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	7	2.15
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	15	2.15
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	1	2.15
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	14	2.15
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	12	2.15
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	12	2.15
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	12	2.15
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	8	2.15
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	8	2.15
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	8	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	25	2.15
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	7	2.15
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	10	2.15
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	11	2.15
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	1	2.15
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	9	2.15
(1,244)	1:66:A:LYS:HG3	1:67:A:SER:H	14	2.15
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	3	2.15
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	3	2.15
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	4	2.15
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	4	2.15
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	6	2.15
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	6	2.15
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	6	2.15
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	9	2.15
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	9	2.15
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	9	2.15
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	13	2.15
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	13	2.15
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	13	2.15
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	20	2.15
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	20	2.15
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	20	2.15
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	23	2.15
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	2	2.15
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	5	2.15
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	13	2.15
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD12	18	2.14
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	2	2.14
(1,1543)	1:41:A:THR:HG22	1:39:A:ASP:HB2	1	2.14
(1,1543)	1:41:A:THR:HG22	1:39:A:ASP:HB2	14	2.14
(1,1526)	1:71:A:VAL:HG13	1:65:A:PHE:HA	24	2.14
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG13	16	2.14
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	2	2.14
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	4	2.14
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	16	2.14
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	16	2.14
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	16	2.14
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	21	2.14
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	21	2.14
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	21	2.14
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	3	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	6	2.14
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	6	2.14
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	6	2.14
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	6	2.14
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	6	2.14
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	6	2.14
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	5	2.14
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	5	2.14
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	5	2.14
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	5	2.14
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	5	2.14
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	5	2.14
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	3	2.14
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	3	2.14
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	3	2.14
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	9	2.14
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	7	2.14
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	7	2.14
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	20	2.14
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	16	2.14
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	16	2.14
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	16	2.14
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	17	2.14
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	17	2.14
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	17	2.14
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	16	2.14
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	10	2.14
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	10	2.14
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	10	2.14
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	10	2.14
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	15	2.14
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	15	2.14
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	15	2.14
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	15	2.14
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	2	2.14
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	2	2.14
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	2	2.14
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	10	2.14
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	10	2.14
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	10	2.14
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	22	2.14
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	23	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	24	2.14
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	24	2.14
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	24	2.14
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	1	2.14
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	1	2.14
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	1	2.14
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	15	2.14
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	15	2.14
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	15	2.14
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	21	2.14
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	21	2.14
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	21	2.14
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	3	2.14
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	3	2.14
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	7	2.14
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	9	2.14
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	9	2.14
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	3	2.14
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	24	2.13
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD23	11	2.13
(1,1535)	1:24:A:ILE:HD13	1:69:A:GLU:HB3	18	2.13
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	17	2.13
(1,1438)	1:17:A:LEU:HD21	1:70:A:GLU:H	15	2.13
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	4	2.13
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	11	2.13
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	2	2.13
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	2	2.13
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	2	2.13
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	10	2.13
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	10	2.13
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	10	2.13
(1,1016)	1:47:A:VAL:HG11	1:44:A:SER:HA	11	2.13
(1,1016)	1:47:A:VAL:HG12	1:44:A:SER:HA	11	2.13
(1,1016)	1:47:A:VAL:HG13	1:44:A:SER:HA	11	2.13
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	20	2.13
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	20	2.13
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	20	2.13
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD12	2	2.13
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	13	2.13
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	18	2.13
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	10	2.13
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	5	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	5	2.13
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	5	2.13
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	23	2.13
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	23	2.13
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	23	2.13
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	7	2.13
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	7	2.13
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	7	2.13
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	4	2.13
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	18	2.13
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	18	2.13
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	18	2.13
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	19	2.13
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	19	2.13
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	19	2.13
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	7	2.13
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	7	2.13
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	7	2.13
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	12	2.13
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	12	2.13
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	12	2.13
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	17	2.13
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	17	2.13
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	17	2.13
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	23	2.13
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	23	2.13
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	23	2.13
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	3	2.13
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	9	2.13
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	22	2.13
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	1	2.13
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	4	2.13
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	12	2.13
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	7	2.13
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	6	2.13
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	6	2.13
(3,4)	1:7:A:GLU:N	1:3:A:MET:O	23	2.12
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	11	2.12
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	17	2.12
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	1	2.12
(1,1599)	1:13:A:ILE:HD13	1:73:A:ASP:HA	4	2.12
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	3	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	3	2.12
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	3	2.12
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	3	2.12
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	3	2.12
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	3	2.12
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	7	2.12
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	7	2.12
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	7	2.12
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	7	2.12
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	7	2.12
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	7	2.12
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	9	2.12
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG13	4	2.12
(1,1438)	1:17:A:LEU:HD21	1:70:A:GLU:H	16	2.12
(1,1438)	1:17:A:LEU:HD21	1:70:A:GLU:H	25	2.12
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	14	2.12
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	21	2.12
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	17	2.12
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	17	2.12
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	17	2.12
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	17	2.12
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	17	2.12
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	17	2.12
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	18	2.12
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	18	2.12
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	18	2.12
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	18	2.12
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	18	2.12
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	18	2.12
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	19	2.12
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	14	2.12
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	14	2.12
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	14	2.12
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	9	2.12
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	9	2.12
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	9	2.12
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	20	2.12
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG3	3	2.12
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG3	10	2.12
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	8	2.12
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	8	2.12
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	22	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	22	2.12
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	2	2.12
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	2	2.12
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	2	2.12
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	11	2.12
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	11	2.12
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	11	2.12
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	16	2.12
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	16	2.12
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	16	2.12
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	16	2.12
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	16	2.12
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	16	2.12
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	16	2.12
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	16	2.12
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	16	2.12
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	19	2.12
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	19	2.12
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	19	2.12
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	19	2.12
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	19	2.12
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	19	2.12
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	19	2.12
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	19	2.12
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	19	2.12
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	11	2.12
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	11	2.12
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	9	2.12
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	9	2.12
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	9	2.12
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	10	2.12
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	5	2.12
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	4	2.12
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	4	2.12
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	4	2.12
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	25	2.12
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	25	2.12
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	25	2.12
(1,244)	1:66:A:LYS:HG3	1:67:A:SER:H	18	2.12
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	10	2.12
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	10	2.12
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	10	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	11	2.12
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	11	2.12
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	11	2.12
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	21	2.12
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	11	2.12
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	17	2.12
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	19	2.12
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	22	2.12
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	6	2.12
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	1	2.11
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	6	2.11
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	21	2.11
(1,1599)	1:13:A:ILE:HD13	1:73:A:ASP:HA	5	2.11
(1,1535)	1:24:A:ILE:HD11	1:69:A:GLU:HB3	11	2.11
(1,1535)	1:24:A:ILE:HD11	1:69:A:GLU:HB3	16	2.11
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG11	2	2.11
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	6	2.11
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	7	2.11
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	7	2.11
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	7	2.11
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	7	2.11
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	7	2.11
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	7	2.11
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	7	2.11
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	7	2.11
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	7	2.11
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	1	2.11
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	24	2.11
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	24	2.11
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	24	2.11
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	2	2.11
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	2	2.11
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	2	2.11
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	5	2.11
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	5	2.11
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	5	2.11
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	5	2.11
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	5	2.11
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	21	2.11
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	21	2.11
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	21	2.11
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	17	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	17	2.11
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	17	2.11
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD13	22	2.11
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD13	22	2.11
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD13	22	2.11
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	15	2.11
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	16	2.11
(1,783)	1:9:A:ILE:HA	1:14:A:ILE:HB	2	2.11
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB2	10	2.11
(1,721)	1:78:A:LYS:H	1:73:A:ASP:HB3	10	2.11
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	17	2.11
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	17	2.11
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	17	2.11
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	1	2.11
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	1	2.11
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	1	2.11
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	12	2.11
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	12	2.11
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	12	2.11
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	13	2.11
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	15	2.11
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	6	2.11
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	8	2.11
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	15	2.11
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	16	2.11
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	18	2.11
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	20	2.11
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	23	2.11
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	24	2.11
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	25	2.11
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	10	2.11
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	4	2.11
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	2	2.11
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	2	2.11
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	8	2.11
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	8	2.11
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	17	2.11
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	1	2.11
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	9	2.1
(1,1543)	1:41:A:THR:HG21	1:39:A:ASP:HB2	18	2.1
(1,1542)	1:41:A:THR:HG23	1:39:A:ASP:HB3	12	2.1
(1,1535)	1:24:A:ILE:HD12	1:69:A:GLU:HB3	9	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:24:A:ILE:HD13	1:69:A:GLU:HB3	20	2.1
(1,1511)	1:49:A:LEU:HD21	1:79:A:ALA:HB2	9	2.1
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	20	2.1
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	1	2.1
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	8	2.1
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	11	2.1
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	11	2.1
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	2	2.1
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	2	2.1
(1,637)	1:10:A:ARG:HD2	1:70:A:GLU:HA	12	2.1
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	18	2.1
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	18	2.1
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	18	2.1
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	1	2.1
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	9	2.1
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	9	2.1
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	12	2.1
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	12	2.1
(1,1643)	1:7:A:GLU:HG2	1:10:A:ARG:HD3	4	2.09
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	12	2.09
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	12	2.09
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	12	2.09
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	12	2.09
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	12	2.09
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	12	2.09
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	25	2.09
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	6	2.09
(1,1438)	1:17:A:LEU:HD23	1:70:A:GLU:H	1	2.09
(1,1438)	1:17:A:LEU:HD23	1:70:A:GLU:H	17	2.09
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	5	2.09
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	5	2.09
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	5	2.09
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	5	2.09
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	5	2.09
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	5	2.09
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	15	2.09
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	15	2.09
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	15	2.09
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	15	2.09
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	15	2.09
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	15	2.09
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD11	9	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD12	9	2.09
(1,1325)	1:69:A:GLU:HB2	1:13:A:ILE:HD13	9	2.09
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD11	9	2.09
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD12	9	2.09
(1,1325)	1:69:A:GLU:HB3	1:13:A:ILE:HD13	9	2.09
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	15	2.09
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	22	2.09
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	22	2.09
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	22	2.09
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	24	2.09
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	24	2.09
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	24	2.09
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	24	2.09
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	24	2.09
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	24	2.09
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	11	2.09
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	11	2.09
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	4	2.09
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	4	2.09
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	4	2.09
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	24	2.09
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	24	2.09
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	24	2.09
(1,865)	1:71:A:VAL:HG21	1:62:A:ASP:HB2	9	2.09
(1,865)	1:71:A:VAL:HG22	1:62:A:ASP:HB2	9	2.09
(1,865)	1:71:A:VAL:HG23	1:62:A:ASP:HB2	9	2.09
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	7	2.09
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	7	2.09
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	17	2.09
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	2	2.09
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	4	2.09
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	8	2.09
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	8	2.09
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	8	2.09
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	8	2.09
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	8	2.09
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	8	2.09
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	8	2.09
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	8	2.09
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	8	2.09
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	17	2.09
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	17	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	12	2.09
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	12	2.09
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	16	2.09
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	6	2.09
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	6	2.09
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	6	2.09
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	22	2.09
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	22	2.09
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	22	2.09
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	14	2.09
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	14	2.09
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	14	2.09
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	24	2.09
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	24	2.09
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	24	2.09
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	11	2.09
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	16	2.09
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	11	2.09
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	19	2.09
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	8	2.09
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	13	2.09
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	13	2.09
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	20	2.09
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	24	2.08
(1,1535)	1:24:A:ILE:HD11	1:69:A:GLU:HB3	1	2.08
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	10	2.08
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	15	2.08
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	13	2.08
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	11	2.08
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	11	2.08
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	11	2.08
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	11	2.08
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	11	2.08
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	11	2.08
(1,1226)	1:61:A:ASP:HA	1:65:A:PHE:HD2	7	2.08
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	15	2.08
(1,1092)	1:76:A:VAL:HG21	1:7:A:GLU:HG2	18	2.08
(1,1092)	1:76:A:VAL:HG22	1:7:A:GLU:HG2	18	2.08
(1,1092)	1:76:A:VAL:HG23	1:7:A:GLU:HG2	18	2.08
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	16	2.08
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	16	2.08
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	16	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	5	2.08
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	5	2.08
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	5	2.08
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	5	2.08
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	5	2.08
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	5	2.08
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	7	2.08
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	23	2.08
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	23	2.08
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	1	2.08
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	1	2.08
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	1	2.08
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	14	2.08
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	14	2.08
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	14	2.08
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	18	2.08
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	18	2.08
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	18	2.08
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	18	2.08
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	18	2.08
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	18	2.08
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	18	2.08
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	18	2.08
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	18	2.08
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	12	2.08
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	12	2.08
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	20	2.08
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	20	2.08
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	20	2.08
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	22	2.08
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	3	2.08
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	10	2.08
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	25	2.08
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	1	2.08
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	1	2.08
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	1	2.08
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	17	2.08
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	17	2.08
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	17	2.08
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	20	2.08
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	20	2.08
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	20	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	3	2.08
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	3	2.08
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	3	2.08
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	10	2.08
(1,167)	1:77:A:ASN:HB3	1:75:A:ILE:H	11	2.08
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	4	2.08
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	4	2.08
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	19	2.08
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	19	2.08
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	24	2.08
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	13	2.07
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	20	2.07
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	4	2.07
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD23	1	2.07
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	16	2.07
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	16	2.07
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	16	2.07
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	16	2.07
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	16	2.07
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	16	2.07
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	16	2.07
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	16	2.07
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	16	2.07
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG21	20	2.07
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	8	2.07
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	8	2.07
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	8	2.07
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	17	2.07
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	17	2.07
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	17	2.07
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	21	2.07
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	21	2.07
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	19	2.07
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	22	2.07
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	21	2.07
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	3	2.07
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	3	2.07
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	3	2.07
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	21	2.07
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	21	2.07
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	24	2.07
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	24	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	25	2.07
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	25	2.07
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	4	2.07
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	4	2.07
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	4	2.07
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	10	2.07
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	10	2.07
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	10	2.07
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	16	2.07
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	16	2.07
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	16	2.07
(1,244)	1:66:A:LYS:HG3	1:67:A:SER:H	4	2.07
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	24	2.07
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	2	2.07
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	25	2.07
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	14	2.07
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	17	2.07
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	17	2.07
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	19	2.07
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	21	2.06
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	7	2.06
(1,1542)	1:41:A:THR:HG23	1:39:A:ASP:HB3	19	2.06
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	4	2.06
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	22	2.06
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	22	2.06
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	22	2.06
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	22	2.06
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	22	2.06
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	22	2.06
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	22	2.06
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	9	2.06
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	7	2.06
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	7	2.06
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	7	2.06
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	13	2.06
(1,1088)	1:14:A:ILE:HG21	1:17:A:LEU:HB3	23	2.06
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	24	2.06
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	24	2.06
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	24	2.06
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	13	2.06
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	13	2.06
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	13	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	13	2.06
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	13	2.06
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	13	2.06
(1,875)	1:57:A:VAL:HG21	1:75:A:ILE:HD12	15	2.06
(1,875)	1:57:A:VAL:HG22	1:75:A:ILE:HD12	15	2.06
(1,875)	1:57:A:VAL:HG23	1:75:A:ILE:HD12	15	2.06
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	9	2.06
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	9	2.06
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	9	2.06
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	13	2.06
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	13	2.06
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	13	2.06
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	1	2.06
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	1	2.06
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	10	2.06
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	10	2.06
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	5	2.06
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	5	2.06
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	5	2.06
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	7	2.06
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	7	2.06
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	7	2.06
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	9	2.06
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	9	2.06
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	9	2.06
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	21	2.06
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	21	2.06
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	21	2.06
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	11	2.06
(1,212)	1:65:A:PHE:HE1	1:68:A:ALA:H	18	2.06
(1,212)	1:65:A:PHE:HE2	1:68:A:ALA:H	18	2.06
(1,206)	1:9:A:ILE:HG21	1:6:A:LYS:H	25	2.06
(1,206)	1:9:A:ILE:HG22	1:6:A:LYS:H	25	2.06
(1,206)	1:9:A:ILE:HG23	1:6:A:LYS:H	25	2.06
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	16	2.06
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	20	2.06
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	7	2.06
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	25	2.06
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	17	2.06
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	17	2.06
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	4	2.06
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	6	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	13	2.06
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	11	2.05
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	13	2.05
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD3	7	2.05
(1,1597)	1:79:A:ALA:HB3	1:73:A:ASP:HA	6	2.05
(1,1535)	1:24:A:ILE:HD13	1:69:A:GLU:HB3	2	2.05
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	12	2.05
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	12	2.05
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	12	2.05
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	12	2.05
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	12	2.05
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	12	2.05
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	12	2.05
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	12	2.05
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	12	2.05
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	21	2.05
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	21	2.05
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	21	2.05
(1,1137)	1:27:A:PRO:HG3	1:24:A:ILE:HG22	22	2.05
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	20	2.05
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	20	2.05
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	20	2.05
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	25	2.05
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	25	2.05
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	25	2.05
(1,974)	1:23:A:PRO:HB2	1:24:A:ILE:HD13	16	2.05
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	6	2.05
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	6	2.05
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	6	2.05
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	8	2.05
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	8	2.05
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	8	2.05
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	9	2.05
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	9	2.05
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	9	2.05
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	5	2.05
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	5	2.05
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	1	2.05
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	1	2.05
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	1	2.05
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	1	2.05
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	20	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	20	2.05
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	20	2.05
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	20	2.05
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	13	2.05
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	13	2.05
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	13	2.05
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	18	2.05
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	18	2.05
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	18	2.05
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	14	2.05
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	14	2.05
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	14	2.05
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	4	2.05
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	12	2.05
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	9	2.05
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	9	2.05
(1,1599)	1:13:A:ILE:HD12	1:73:A:ASP:HA	3	2.04
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	8	2.04
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	8	2.04
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	21	2.04
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	21	2.04
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	21	2.04
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	21	2.04
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	6	2.04
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	6	2.04
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	6	2.04
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	11	2.04
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA2	15	2.04
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA3	15	2.04
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	25	2.04
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	25	2.04
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	4	2.04
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	23	2.04
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	7	2.04
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	7	2.04
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	7	2.04
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	16	2.04
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	16	2.04
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	5	2.04
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	5	2.04
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	5	2.04
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	5	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	17	2.04
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	17	2.04
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	17	2.04
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	17	2.04
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	21	2.04
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	21	2.04
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	21	2.04
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	21	2.04
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	13	2.04
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	13	2.04
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	13	2.04
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	7	2.04
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	7	2.04
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	7	2.04
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	19	2.04
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	15	2.04
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	15	2.04
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	15	2.04
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	16	2.04
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	6	2.04
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	1	2.04
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	1	2.04
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	23	2.04
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	23	2.04
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	8	2.04
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	11	2.04
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	23	2.03
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	23	2.03
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	23	2.03
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	23	2.03
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	23	2.03
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	23	2.03
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	2	2.03
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	15	2.03
(1,1535)	1:24:A:ILE:HD12	1:69:A:GLU:HB3	14	2.03
(1,1535)	1:24:A:ILE:HD12	1:69:A:GLU:HB3	17	2.03
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	20	2.03
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	18	2.03
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	2	2.03
(1,1438)	1:17:A:LEU:HD23	1:70:A:GLU:H	3	2.03
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	11	2.03
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	18	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	1	2.03
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	1	2.03
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	1	2.03
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	1	2.03
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	1	2.03
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	1	2.03
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	1	2.03
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	1	2.03
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	1	2.03
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	14	2.03
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	14	2.03
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	14	2.03
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	14	2.03
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	19	2.03
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	19	2.03
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	19	2.03
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	19	2.03
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	23	2.03
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	23	2.03
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	23	2.03
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	23	2.03
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	1	2.03
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	1	2.03
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	1	2.03
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	21	2.03
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	21	2.03
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	21	2.03
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	21	2.03
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	21	2.03
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	21	2.03
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	25	2.03
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	25	2.03
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	25	2.03
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	25	2.03
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	25	2.03
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	25	2.03
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	21	2.03
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	20	2.03
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	4	2.03
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	4	2.03
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	4	2.03
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	21	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	21	2.03
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	21	2.03
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	24	2.03
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	24	2.03
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	24	2.03
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	22	2.03
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	22	2.03
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	22	2.03
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	13	2.03
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	13	2.03
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	13	2.03
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	13	2.03
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	13	2.03
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	13	2.03
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	13	2.03
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	13	2.03
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	13	2.03
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	14	2.03
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	14	2.03
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	21	2.03
(1,181)	1:29:A:GLU:HG2	1:26:A:SER:H	22	2.03
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	10	2.03
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	10	2.03
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	18	2.03
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	18	2.03
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	5	2.03
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	7	2.03
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD11	10	2.02
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	5	2.02
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	5	2.02
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	8	2.02
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	25	2.02
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	25	2.02
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	25	2.02
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	25	2.02
(1,1091)	1:76:A:VAL:HG21	1:7:A:GLU:HB2	22	2.02
(1,1091)	1:76:A:VAL:HG22	1:7:A:GLU:HB2	22	2.02
(1,1091)	1:76:A:VAL:HG23	1:7:A:GLU:HB2	22	2.02
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	11	2.02
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	11	2.02
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	11	2.02
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	18	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	17	2.02
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	17	2.02
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	17	2.02
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	20	2.02
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	20	2.02
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	20	2.02
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	1	2.02
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	9	2.02
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG21	2	2.02
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	2	2.02
(1,788)	1:62:A:ASP:HB3	1:71:A:VAL:HG23	2	2.02
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	22	2.02
(1,643)	1:8:A:ASP:H	1:4:A:GLY:HA2	24	2.02
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	16	2.02
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	16	2.02
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	16	2.02
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	16	2.02
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	14	2.02
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	14	2.02
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	14	2.02
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	14	2.02
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	24	2.02
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	18	2.02
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	3	2.02
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	8	2.02
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	11	2.02
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	24	2.02
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	5	2.02
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	5	2.02
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	7	2.02
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	7	2.02
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	24	2.02
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	24	2.02
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG21	4	2.01
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG21	7	2.01
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	9	2.01
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	12	2.01
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	23	2.01
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	6	2.01
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	6	2.01
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	6	2.01
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	6	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	8	2.01
(1,490)	1:76:A:VAL:HG11	1:73:A:ASP:H	6	2.01
(1,490)	1:76:A:VAL:HG12	1:73:A:ASP:H	6	2.01
(1,490)	1:76:A:VAL:HG13	1:73:A:ASP:H	6	2.01
(1,244)	1:66:A:LYS:HG3	1:67:A:SER:H	8	2.01
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	5	2.01
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	21	2.01
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	10	2.01
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	18	2.01
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	22	2.0
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD21	23	2.0
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	4	2.0
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	4	2.0
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	4	2.0
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	4	2.0
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	4	2.0
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	4	2.0
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	8	2.0
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	8	2.0
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	8	2.0
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	8	2.0
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	8	2.0
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	8	2.0
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	25	2.0
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	25	2.0
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	25	2.0
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	25	2.0
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	25	2.0
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	25	2.0
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	6	2.0
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	16	2.0
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	18	2.0
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	25	2.0
(1,1582)	1:22:A:PHE:HD1	1:20:A:ALA:HA	22	2.0
(1,1542)	1:41:A:THR:HG21	1:39:A:ASP:HB3	6	2.0
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	22	2.0
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	16	2.0
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	16	2.0
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	16	2.0
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	16	2.0
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD11	2	2.0
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD12	2	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:66:A:LYS:HG3	1:14:A:ILE:HD13	2	2.0
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	14	2.0
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	14	2.0
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	14	2.0
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	4	2.0
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	4	2.0
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	4	2.0
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	8	2.0
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	16	2.0
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	16	2.0
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	16	2.0
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	16	2.0
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	16	2.0
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	16	2.0
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	23	2.0
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	23	2.0
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	23	2.0
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	23	2.0
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	23	2.0
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	23	2.0
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	10	2.0
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	10	2.0
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	10	2.0
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	23	2.0
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	23	2.0
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	14	2.0
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	14	2.0
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	14	2.0
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	14	2.0
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	18	2.0
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	11	2.0
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	17	2.0
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	25	2.0
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	16	2.0
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	20	2.0
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	21	2.0
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	21	2.0
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	25	2.0
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	25	2.0
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	22	2.0
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	15	1.99
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	19	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	19	1.99
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	19	1.99
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	19	1.99
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	19	1.99
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	19	1.99
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	1	1.99
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	10	1.99
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	14	1.99
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	9	1.99
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	14	1.99
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	14	1.99
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	14	1.99
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	14	1.99
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	14	1.99
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	14	1.99
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	14	1.99
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	14	1.99
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	14	1.99
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	5	1.99
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	2	1.99
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	2	1.99
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	2	1.99
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	2	1.99
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	11	1.99
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	11	1.99
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	11	1.99
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	11	1.99
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD11	13	1.99
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD12	13	1.99
(1,1147)	1:66:A:LYS:HG2	1:14:A:ILE:HD13	13	1.99
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD21	11	1.99
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD22	11	1.99
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD23	11	1.99
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	13	1.99
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	13	1.99
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	13	1.99
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	19	1.99
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	12	1.99
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	12	1.99
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	12	1.99
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	13	1.99
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	13	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	13	1.99
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	19	1.99
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	18	1.99
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	12	1.99
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	15	1.99
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	15	1.99
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	15	1.99
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	12	1.98
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	2	1.98
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	2	1.98
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	2	1.98
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	2	1.98
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	2	1.98
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	2	1.98
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	11	1.98
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	13	1.98
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	17	1.98
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	19	1.98
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	21	1.98
(1,1535)	1:24:A:ILE:HD13	1:69:A:GLU:HB3	10	1.98
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG13	22	1.98
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	5	1.98
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	24	1.98
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	24	1.98
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	24	1.98
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	24	1.98
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	24	1.98
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	24	1.98
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	10	1.98
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	10	1.98
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	10	1.98
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	10	1.98
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	10	1.98
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	10	1.98
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	10	1.98
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	10	1.98
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	10	1.98
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	10	1.98
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	10	1.98
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	10	1.98
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	10	1.98
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	15	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	15	1.98
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	15	1.98
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	15	1.98
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	20	1.98
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	20	1.98
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	20	1.98
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	20	1.98
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	19	1.98
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD21	21	1.98
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD22	21	1.98
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD23	21	1.98
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG21	5	1.98
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG22	5	1.98
(1,1013)	1:72:A:ALA:HA	1:57:A:VAL:HG23	5	1.98
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	12	1.98
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	12	1.98
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	12	1.98
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	25	1.98
(1,618)	1:49:A:LEU:HD11	1:50:A:LYS:HB2	25	1.98
(1,618)	1:49:A:LEU:HD12	1:50:A:LYS:HB2	25	1.98
(1,618)	1:49:A:LEU:HD13	1:50:A:LYS:HB2	25	1.98
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	9	1.98
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	9	1.98
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	9	1.98
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	16	1.98
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	16	1.98
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	16	1.98
(1,431)	1:13:A:ILE:HG13	1:8:A:ASP:H	8	1.98
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	19	1.98
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	23	1.98
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	5	1.98
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	5	1.98
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	5	1.98
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	9	1.98
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	7	1.98
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	3	1.98
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	3	1.98
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	12	1.98
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	12	1.98
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	23	1.98
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD23	24	1.97
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	20	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	22	1.97
(1,1535)	1:24:A:ILE:HD12	1:69:A:GLU:HB3	5	1.97
(1,1438)	1:17:A:LEU:HD21	1:70:A:GLU:H	7	1.97
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD11	23	1.97
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD12	23	1.97
(1,1331)	1:65:A:PHE:HB2	1:14:A:ILE:HD13	23	1.97
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD11	23	1.97
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD12	23	1.97
(1,1331)	1:65:A:PHE:HB3	1:14:A:ILE:HD13	23	1.97
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	1	1.97
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	1	1.97
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	1	1.97
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	1	1.97
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	8	1.97
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	8	1.97
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	8	1.97
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	8	1.97
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	18	1.97
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	18	1.97
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	18	1.97
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	18	1.97
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	2	1.97
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	2	1.97
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	2	1.97
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD21	25	1.97
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD22	25	1.97
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD23	25	1.97
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG3	5	1.97
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	2	1.97
(1,793)	1:75:A:ILE:HD13	1:72:A:ALA:HB1	24	1.97
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	5	1.97
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	23	1.97
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA2	12	1.97
(1,667)	1:43:A:LYS:HB2	1:45:A:GLY:HA3	12	1.97
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	2	1.97
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	2	1.97
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	2	1.97
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	15	1.97
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	15	1.97
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	15	1.97
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	17	1.97
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	17	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	17	1.97
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	21	1.97
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	21	1.97
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	21	1.97
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	3	1.97
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	5	1.97
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	15	1.97
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	13	1.97
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	16	1.97
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	16	1.97
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	9	1.97
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	13	1.97
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	15	1.97
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	11	1.97
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	11	1.97
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	14	1.97
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	14	1.96
(1,1752)	1:34:A:LEU:HD12	1:31:A:MET:HE2	2	1.96
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	13	1.96
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	13	1.96
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	13	1.96
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	13	1.96
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	13	1.96
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	13	1.96
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	3	1.96
(1,1535)	1:24:A:ILE:HD11	1:69:A:GLU:HB3	21	1.96
(1,1526)	1:71:A:VAL:HG12	1:65:A:PHE:HA	22	1.96
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	4	1.96
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	4	1.96
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	4	1.96
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	4	1.96
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	11	1.96
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	11	1.96
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	11	1.96
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD3	12	1.96
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	5	1.96
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	5	1.96
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	25	1.96
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	6	1.96
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	8	1.96
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	12	1.96
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	12	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	12	1.96
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	12	1.96
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	12	1.96
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	12	1.96
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	12	1.96
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	12	1.96
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	12	1.96
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	25	1.96
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	25	1.96
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	25	1.96
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	15	1.96
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	8	1.96
(1,359)	1:40:A:THR:HG21	1:33:A:ALA:H	19	1.96
(1,359)	1:40:A:THR:HG22	1:33:A:ALA:H	19	1.96
(1,359)	1:40:A:THR:HG23	1:33:A:ALA:H	19	1.96
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	13	1.96
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	13	1.96
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	13	1.96
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	13	1.96
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	5	1.96
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	6	1.96
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	7	1.96
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	11	1.96
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	24	1.96
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	4	1.96
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	14	1.96
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	5	1.95
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	7	1.95
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	9	1.95
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	9	1.95
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	9	1.95
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	9	1.95
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	9	1.95
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	9	1.95
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	24	1.95
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	24	1.95
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	24	1.95
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	24	1.95
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	24	1.95
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	24	1.95
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	4	1.95
(1,1535)	1:24:A:ILE:HD12	1:69:A:GLU:HB3	7	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:24:A:ILE:HD13	1:69:A:GLU:HB3	8	1.95
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG12	21	1.95
(1,1438)	1:17:A:LEU:HD21	1:70:A:GLU:H	13	1.95
(1,1438)	1:17:A:LEU:HD21	1:70:A:GLU:H	23	1.95
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	5	1.95
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	5	1.95
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	5	1.95
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	5	1.95
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	5	1.95
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	5	1.95
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	5	1.95
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	5	1.95
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	5	1.95
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	7	1.95
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	7	1.95
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	7	1.95
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	7	1.95
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	24	1.95
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	24	1.95
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	24	1.95
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	24	1.95
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	5	1.95
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	5	1.95
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	5	1.95
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	21	1.95
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	21	1.95
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	21	1.95
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	15	1.95
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	15	1.95
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	15	1.95
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	19	1.95
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	19	1.95
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	19	1.95
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	23	1.95
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	23	1.95
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	23	1.95
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	16	1.95
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	16	1.95
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	16	1.95
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	4	1.95
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	12	1.95
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	3	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	3	1.95
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	7	1.95
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	7	1.95
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	11	1.95
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	11	1.95
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	11	1.95
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	20	1.95
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	20	1.95
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	20	1.95
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	6	1.95
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	6	1.95
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	6	1.95
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	2	1.95
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	2	1.95
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	2	1.95
(1,301)	1:76:A:VAL:HG21	1:70:A:GLU:H	11	1.95
(1,301)	1:76:A:VAL:HG22	1:70:A:GLU:H	11	1.95
(1,301)	1:76:A:VAL:HG23	1:70:A:GLU:H	11	1.95
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	9	1.95
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	1	1.95
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	17	1.95
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	22	1.95
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	10	1.95
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	16	1.94
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	14	1.94
(1,1542)	1:41:A:THR:HG22	1:39:A:ASP:HB3	3	1.94
(1,1535)	1:24:A:ILE:HD11	1:69:A:GLU:HB3	23	1.94
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG12	1	1.94
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	10	1.94
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	3	1.94
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	3	1.94
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	3	1.94
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	3	1.94
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	9	1.94
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	9	1.94
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	9	1.94
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	9	1.94
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	12	1.94
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	12	1.94
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	12	1.94
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	24	1.94
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	24	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	24	1.94
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	13	1.94
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	13	1.94
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	5	1.94
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	5	1.94
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	5	1.94
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	14	1.94
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	14	1.94
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	14	1.94
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	4	1.94
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	4	1.94
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	6	1.94
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	6	1.94
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	6	1.94
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	6	1.94
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	6	1.94
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	6	1.94
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	6	1.94
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	6	1.94
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	6	1.94
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	8	1.94
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	10	1.94
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	10	1.94
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	10	1.94
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	11	1.94
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	11	1.94
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	11	1.94
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	15	1.94
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	17	1.94
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	22	1.94
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	4	1.94
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	21	1.94
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	13	1.94
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	20	1.94
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	14	1.94
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	23	1.94
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	14	1.94
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	14	1.94
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	1	1.94
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	12	1.94
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	25	1.94
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	9	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	21	1.94
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	25	1.93
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD23	16	1.93
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	15	1.93
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	24	1.93
(1,1562)	1:47:A:VAL:HG12	1:43:A:LYS:HB3	4	1.93
(1,1535)	1:24:A:ILE:HD11	1:69:A:GLU:HB3	19	1.93
(1,1438)	1:17:A:LEU:HD23	1:70:A:GLU:H	8	1.93
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	13	1.93
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	13	1.93
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	13	1.93
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	13	1.93
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	6	1.93
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	6	1.93
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	7	1.93
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	7	1.93
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	9	1.93
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	9	1.93
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	9	1.93
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	9	1.93
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	9	1.93
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	9	1.93
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	9	1.93
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	9	1.93
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	9	1.93
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	13	1.93
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	13	1.93
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	8	1.93
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	8	1.93
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	8	1.93
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG3	18	1.93
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG3	18	1.93
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	2	1.93
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	7	1.93
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	18	1.93
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	18	1.93
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	7	1.93
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	7	1.93
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	7	1.93
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	7	1.93
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	5	1.93
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	5	1.93
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	8	1.93
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	8	1.93
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	8	1.93
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	22	1.93
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	22	1.93
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	22	1.93
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	20	1.93
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	18	1.93
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	4	1.93
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	4	1.93
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	4	1.93
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	11	1.93
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	21	1.93
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	5	1.93
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	19	1.93
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	15	1.93
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	20	1.93
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	23	1.93
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	16	1.93
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	16	1.93
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	16	1.93
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD12	14	1.92
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	2	1.92
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	8	1.92
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	2	1.92
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA2	18	1.92
(1,1598)	1:14:A:ILE:HD11	1:11:A:GLY:HA3	18	1.92
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA2	18	1.92
(1,1598)	1:14:A:ILE:HD12	1:11:A:GLY:HA3	18	1.92
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA2	18	1.92
(1,1598)	1:14:A:ILE:HD13	1:11:A:GLY:HA3	18	1.92
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	7	1.92
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	25	1.92
(1,1584)	1:24:A:ILE:HA	1:26:A:SER:HB3	7	1.92
(1,1542)	1:41:A:THR:HG22	1:39:A:ASP:HB3	23	1.92
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	17	1.92
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	12	1.92
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	12	1.92
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	12	1.92
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	12	1.92
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	18	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	18	1.92
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	18	1.92
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	3	1.92
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	3	1.92
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	12	1.92
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	12	1.92
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	13	1.92
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	3	1.92
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	3	1.92
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	14	1.92
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	9	1.92
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	9	1.92
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	25	1.92
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	7	1.92
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	7	1.92
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	7	1.92
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	2	1.92
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	8	1.92
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	11	1.92
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	17	1.92
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	17	1.92
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	17	1.92
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	5	1.91
(3,1)	1:6:A:LYS:H	1:2:A:LYS:O	7	1.91
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	24	1.91
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	6	1.91
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	20	1.91
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	8	1.91
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	11	1.91
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	11	1.91
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	11	1.91
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	11	1.91
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	25	1.91
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	25	1.91
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	25	1.91
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	25	1.91
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	24	1.91
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	4	1.91
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	17	1.91
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	23	1.91
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	23	1.91
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	23	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	23	1.91
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	23	1.91
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	23	1.91
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	23	1.91
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	23	1.91
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	23	1.91
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	19	1.91
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	19	1.91
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	3	1.91
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	3	1.91
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	3	1.91
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	3	1.91
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	6	1.91
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	6	1.91
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	6	1.91
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	12	1.91
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	12	1.91
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	12	1.91
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	22	1.91
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	22	1.91
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	22	1.91
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	22	1.91
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	22	1.91
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	22	1.91
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	6	1.91
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	12	1.91
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	15	1.91
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	9	1.91
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	3	1.91
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	5	1.91
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	22	1.91
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	4	1.91
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	9	1.91
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	15	1.91
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	18	1.91
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	18	1.91
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	18	1.91
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	2	1.9
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	13	1.9
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	16	1.9
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	18	1.9
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	21	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:41:A:THR:HG21	1:39:A:ASP:HB2	4	1.9
(1,1438)	1:17:A:LEU:HD23	1:70:A:GLU:H	4	1.9
(1,1438)	1:17:A:LEU:HD21	1:70:A:GLU:H	14	1.9
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	6	1.9
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	6	1.9
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	6	1.9
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	6	1.9
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	6	1.9
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	6	1.9
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	6	1.9
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	6	1.9
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	6	1.9
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	20	1.9
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	20	1.9
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	20	1.9
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	20	1.9
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	20	1.9
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	20	1.9
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	20	1.9
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	20	1.9
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	20	1.9
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	1	1.9
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	17	1.9
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	17	1.9
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	17	1.9
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	17	1.9
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	11	1.9
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	11	1.9
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	16	1.9
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	16	1.9
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	16	1.9
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	16	1.9
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	16	1.9
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD13	10	1.9
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD13	10	1.9
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD13	10	1.9
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	19	1.9
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	5	1.9
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	6	1.9
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	10	1.9
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	13	1.9
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	19	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	13	1.9
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	13	1.9
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	18	1.9
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	18	1.9
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	18	1.9
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	1	1.9
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	8	1.9
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	14	1.9
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	16	1.9
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	17	1.9
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	19	1.9
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	21	1.9
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	24	1.9
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	3	1.9
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	22	1.9
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	1	1.9
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	20	1.9
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	20	1.9
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	9	1.9
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	9	1.9
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	9	1.9
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	20	1.9
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	10	1.9
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	12	1.9
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	14	1.9
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	21	1.9
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	2	1.9
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	25	1.9
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	11	1.89
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	22	1.89
(1,1562)	1:47:A:VAL:HG13	1:43:A:LYS:HB3	3	1.89
(1,1542)	1:41:A:THR:HG23	1:39:A:ASP:HB3	24	1.89
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	25	1.89
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	24	1.89
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	4	1.89
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	4	1.89
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	12	1.89
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	12	1.89
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	12	1.89
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	20	1.89
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	20	1.89
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	20	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	17	1.89
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	17	1.89
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	17	1.89
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	17	1.89
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	17	1.89
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	17	1.89
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	18	1.89
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	18	1.89
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	1	1.89
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	11	1.89
(1,571)	1:57:A:VAL:HG21	1:76:A:VAL:HA	20	1.89
(1,571)	1:57:A:VAL:HG22	1:76:A:VAL:HA	20	1.89
(1,571)	1:57:A:VAL:HG23	1:76:A:VAL:HA	20	1.89
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	4	1.89
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	4	1.89
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	9	1.89
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	9	1.89
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	9	1.89
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	9	1.89
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	9	1.89
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	9	1.89
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	5	1.89
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	10	1.89
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	11	1.89
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	13	1.89
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	18	1.89
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	23	1.89
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	24	1.89
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	22	1.89
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	21	1.89
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	25	1.89
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	11	1.89
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	7	1.89
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	20	1.89
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	2	1.89
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	3	1.89
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	1	1.89
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	3	1.89
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	15	1.89
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	21	1.89
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	6	1.89
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	6	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	6	1.89
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	6	1.88
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	21	1.88
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	10	1.88
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	12	1.88
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	23	1.88
(1,1543)	1:41:A:THR:HG23	1:39:A:ASP:HB2	24	1.88
(1,1535)	1:24:A:ILE:HD12	1:69:A:GLU:HB3	4	1.88
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	5	1.88
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	18	1.88
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	18	1.88
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	18	1.88
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	18	1.88
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	18	1.88
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	18	1.88
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	18	1.88
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	18	1.88
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	18	1.88
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD21	9	1.88
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD22	9	1.88
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD23	9	1.88
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	10	1.88
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	10	1.88
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	10	1.88
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	19	1.88
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	10	1.88
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	22	1.88
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD13	12	1.88
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD13	12	1.88
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD13	12	1.88
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	5	1.88
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	7	1.88
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	1	1.88
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	12	1.88
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	9	1.88
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	21	1.88
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	2	1.88
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	2	1.88
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	23	1.88
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	23	1.88
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	23	1.88
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	23	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	24	1.88
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	24	1.88
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	24	1.88
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	3	1.88
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	4	1.88
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	7	1.88
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	9	1.88
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	22	1.88
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	1	1.88
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	8	1.88
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	13	1.88
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	2	1.88
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	2	1.88
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	2	1.88
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	17	1.88
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	2	1.88
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	3	1.88
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	5	1.88
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	10	1.88
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	12	1.88
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	17	1.87
(1,1752)	1:34:A:LEU:HD12	1:31:A:MET:HE2	22	1.87
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	1	1.87
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	14	1.87
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	17	1.87
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	24	1.87
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	8	1.87
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	20	1.87
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	20	1.87
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	20	1.87
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	6	1.87
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	6	1.87
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	6	1.87
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	6	1.87
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	6	1.87
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	23	1.87
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	23	1.87
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	23	1.87
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	6	1.87
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	6	1.87
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	6	1.87
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	19	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	19	1.87
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	19	1.87
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	6	1.87
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	4	1.87
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	4	1.87
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	4	1.87
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	4	1.87
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	4	1.87
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	4	1.87
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	2	1.87
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	2	1.87
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	2	1.87
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	2	1.87
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	2	1.87
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	2	1.87
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	2	1.87
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	2	1.87
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	2	1.87
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	9	1.87
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	9	1.87
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	13	1.87
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	13	1.87
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	13	1.87
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	3	1.87
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	13	1.87
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	1	1.87
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	2	1.87
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	16	1.87
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	24	1.87
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	24	1.87
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	25	1.87
(1,477)	1:68:A:ALA:H	1:67:A:SER:H	2	1.87
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	12	1.87
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	12	1.87
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	12	1.87
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	10	1.87
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	19	1.87
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	12	1.87
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	6	1.87
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	14	1.87
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	23	1.87
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	25	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	6	1.87
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	21	1.87
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	21	1.87
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	21	1.87
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	22	1.87
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	22	1.87
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	22	1.87
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	1	1.86
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	8	1.86
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	9	1.86
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	19	1.86
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	14	1.86
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	12	1.86
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB2	5	1.86
(1,1197)	1:22:A:PHE:HE1	1:21:A:ASP:HB3	5	1.86
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB2	5	1.86
(1,1197)	1:22:A:PHE:HE2	1:21:A:ASP:HB3	5	1.86
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	9	1.86
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	20	1.86
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	2	1.86
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	2	1.86
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	8	1.86
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	23	1.86
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	23	1.86
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	23	1.86
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	23	1.86
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	23	1.86
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	23	1.86
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	14	1.86
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	1	1.86
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	16	1.86
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	17	1.86
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	21	1.86
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	17	1.86
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	19	1.86
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	22	1.86
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	11	1.85
(1,1599)	1:13:A:ILE:HD13	1:73:A:ASP:HA	16	1.85
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	4	1.85
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	10	1.85
(1,1438)	1:17:A:LEU:HD23	1:70:A:GLU:H	19	1.85
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	21	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	11	1.85
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	11	1.85
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	11	1.85
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	11	1.85
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	11	1.85
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	11	1.85
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	11	1.85
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	11	1.85
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	11	1.85
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	6	1.85
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	6	1.85
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	6	1.85
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	17	1.85
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	17	1.85
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	17	1.85
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	1	1.85
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	1	1.85
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	10	1.85
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	10	1.85
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	3	1.85
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	3	1.85
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	3	1.85
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	7	1.85
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	7	1.85
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	7	1.85
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	15	1.85
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	15	1.85
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	15	1.85
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	22	1.85
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	7	1.85
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	7	1.85
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	7	1.85
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	7	1.85
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	7	1.85
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	7	1.85
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	20	1.85
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	20	1.85
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	17	1.85
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	16	1.85
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	16	1.85
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	15	1.85
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	16	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	22	1.85
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB2	8	1.85
(1,565)	1:14:A:ILE:HB	1:69:A:GLU:HB3	8	1.85
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	12	1.85
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	12	1.85
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	12	1.85
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	12	1.85
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	22	1.85
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	22	1.85
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	22	1.85
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	24	1.85
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	24	1.85
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	24	1.85
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	2	1.85
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	12	1.85
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	25	1.85
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	18	1.85
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	18	1.85
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	18	1.85
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	24	1.85
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	3	1.85
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	4	1.85
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD13	10	1.84
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	7	1.84
(1,1752)	1:34:A:LEU:HD13	1:31:A:MET:HE2	10	1.84
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	5	1.84
(1,1517)	1:51:A:ALA:HA	1:57:A:VAL:HG12	25	1.84
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	18	1.84
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	6	1.84
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	6	1.84
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	6	1.84
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	6	1.84
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	6	1.84
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	6	1.84
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	5	1.84
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	24	1.84
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	13	1.84
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	13	1.84
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	17	1.84
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	17	1.84
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	17	1.84
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	4	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	4	1.84
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	10	1.84
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	10	1.84
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	1	1.84
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	9	1.84
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	13	1.84
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	18	1.84
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	3	1.84
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	3	1.84
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	3	1.84
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	16	1.84
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	16	1.84
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	16	1.84
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	21	1.84
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	6	1.84
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	22	1.84
(1,120)	1:17:A:LEU:HB2	1:30:A:LEU:H	22	1.84
(1,120)	1:17:A:LEU:HB3	1:30:A:LEU:H	22	1.84
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	9	1.84
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	5	1.83
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	15	1.83
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	17	1.83
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	12	1.83
(1,1589)	1:65:A:PHE:HB3	1:66:A:LYS:HA	3	1.83
(1,1562)	1:47:A:VAL:HG13	1:43:A:LYS:HB3	6	1.83
(1,1542)	1:41:A:THR:HG21	1:39:A:ASP:HB3	18	1.83
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG13	19	1.83
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	20	1.83
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	20	1.83
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	20	1.83
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	20	1.83
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	20	1.83
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	20	1.83
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	7	1.83
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	23	1.83
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	23	1.83
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	23	1.83
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	8	1.83
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	8	1.83
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	8	1.83
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	8	1.83
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	8	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	8	1.83
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	8	1.83
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	8	1.83
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	8	1.83
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	21	1.83
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	21	1.83
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	21	1.83
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	22	1.83
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	22	1.83
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	22	1.83
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	5	1.83
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	5	1.83
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	13	1.83
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	13	1.83
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	7	1.83
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	9	1.83
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA2	10	1.83
(1,811)	1:33:A:ALA:HB3	1:37:A:GLY:HA3	10	1.83
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	18	1.83
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	18	1.83
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	18	1.83
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	18	1.83
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	2	1.83
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	5	1.83
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	17	1.83
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	17	1.83
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	17	1.83
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	17	1.83
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	17	1.83
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	17	1.83
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	17	1.83
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	17	1.83
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	17	1.83
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	18	1.83
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	18	1.83
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	18	1.83
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	7	1.83
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	11	1.83
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	11	1.83
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	11	1.83
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	3	1.82
(1,1599)	1:13:A:ILE:HD12	1:73:A:ASP:HA	6	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1562)	1:47:A:VAL:HG12	1:43:A:LYS:HB3	16	1.82
(1,1543)	1:41:A:THR:HG21	1:39:A:ASP:HB2	17	1.82
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	13	1.82
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	9	1.82
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	8	1.82
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	8	1.82
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	8	1.82
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	8	1.82
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	8	1.82
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	8	1.82
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	25	1.82
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	25	1.82
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	25	1.82
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	25	1.82
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	25	1.82
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	25	1.82
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	25	1.82
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	25	1.82
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	25	1.82
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	19	1.82
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	14	1.82
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	14	1.82
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	16	1.82
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	16	1.82
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	16	1.82
(1,934)	1:60:A:ALA:HB1	1:56:A:GLN:HA	10	1.82
(1,934)	1:60:A:ALA:HB2	1:56:A:GLN:HA	10	1.82
(1,934)	1:60:A:ALA:HB3	1:56:A:GLN:HA	10	1.82
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	19	1.82
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	19	1.82
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	19	1.82
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	19	1.82
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	19	1.82
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	19	1.82
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	20	1.82
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	20	1.82
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	23	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	1	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	3	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	4	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	6	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	7	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	8	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	10	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	12	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	16	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	17	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	19	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	23	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	24	1.82
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	25	1.82
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	1	1.82
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	1	1.82
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	1	1.82
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	20	1.82
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	20	1.82
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	20	1.82
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	20	1.82
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	20	1.82
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	20	1.82
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	24	1.82
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	24	1.82
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	24	1.82
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	24	1.82
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	24	1.82
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	24	1.82
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	10	1.82
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	10	1.82
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	10	1.82
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	24	1.82
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	2	1.82
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	2	1.82
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	2	1.82
(1,289)	1:7:A:GLU:HG3	1:4:A:GLY:H	13	1.82
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	12	1.82
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	14	1.82
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	15	1.82
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	23	1.82
(1,199)	1:9:A:ILE:HG13	1:6:A:LYS:H	3	1.82
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	21	1.82
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	6	1.82
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	10	1.82
(1,129)	1:62:A:ASP:HB3	1:66:A:LYS:H	18	1.82
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	7	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	24	1.82
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	24	1.82
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	24	1.82
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	1	1.81
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	23	1.81
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	11	1.81
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	17	1.81
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	9	1.81
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	25	1.81
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	25	1.81
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	20	1.81
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	20	1.81
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	20	1.81
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	8	1.81
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	22	1.81
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	22	1.81
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	10	1.81
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	10	1.81
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	10	1.81
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	1	1.81
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	3	1.81
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	24	1.81
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	14	1.81
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	14	1.81
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	10	1.81
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG3	21	1.81
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG3	21	1.81
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	12	1.81
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	11	1.81
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	14	1.81
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	15	1.81
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	21	1.81
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	13	1.81
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	13	1.81
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	13	1.81
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	19	1.81
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	19	1.81
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	19	1.81
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	25	1.81
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	13	1.81
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	9	1.8
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	20	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD13	6	1.8
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG23	4	1.8
(1,1597)	1:79:A:ALA:HB1	1:73:A:ASP:HA	22	1.8
(1,1542)	1:41:A:THR:HG23	1:39:A:ASP:HB3	11	1.8
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE2	14	1.8
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	9	1.8
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	9	1.8
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	9	1.8
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	9	1.8
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	9	1.8
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	9	1.8
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	9	1.8
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	9	1.8
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	9	1.8
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	12	1.8
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	12	1.8
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	12	1.8
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	9	1.8
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	9	1.8
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	19	1.8
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	19	1.8
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	7	1.8
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	7	1.8
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	7	1.8
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	14	1.8
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	18	1.8
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	18	1.8
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	18	1.8
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	18	1.8
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	18	1.8
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	18	1.8
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	18	1.8
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	18	1.8
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	18	1.8
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	18	1.8
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	3	1.8
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	3	1.8
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	8	1.8
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	8	1.8
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	8	1.8
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	11	1.8
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	6	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	10	1.8
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	17	1.8
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	14	1.8
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	14	1.8
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	14	1.8
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	5	1.8
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	5	1.8
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	5	1.8
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	5	1.8
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	5	1.8
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	5	1.8
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	7	1.8
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	7	1.8
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	7	1.8
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	7	1.8
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	7	1.8
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	7	1.8
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	8	1.8
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	8	1.8
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	8	1.8
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	17	1.8
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	17	1.8
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	17	1.8
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	12	1.8
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	5	1.8
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	6	1.8
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	14	1.8
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	22	1.8
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	13	1.8
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	10	1.8
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	10	1.8
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	10	1.8
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	15	1.79
(1,1795)	1:65:A:PHE:HE2	1:71:A:VAL:HB	14	1.79
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	19	1.79
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG13	20	1.79
(1,1438)	1:17:A:LEU:HD22	1:70:A:GLU:H	21	1.79
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	24	1.79
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	24	1.79
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	24	1.79
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	24	1.79
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	24	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	24	1.79
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	24	1.79
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	24	1.79
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	24	1.79
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	10	1.79
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	10	1.79
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	17	1.79
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD21	15	1.79
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD22	15	1.79
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD23	15	1.79
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	20	1.79
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	20	1.79
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	20	1.79
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	3	1.79
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	3	1.79
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	3	1.79
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	14	1.79
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	14	1.79
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	14	1.79
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	4	1.79
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	5	1.79
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	15	1.79
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	15	1.79
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	15	1.79
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	15	1.79
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	15	1.79
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	15	1.79
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	18	1.79
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	18	1.79
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	18	1.79
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	18	1.79
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	18	1.79
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	18	1.79
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	13	1.79
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	13	1.79
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	13	1.79
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	13	1.79
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	13	1.79
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	13	1.79
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	13	1.79
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	13	1.79
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	13	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	3	1.79
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	3	1.79
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	16	1.79
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	16	1.79
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	16	1.79
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	10	1.79
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	12	1.79
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	19	1.79
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	4	1.79
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	11	1.79
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	11	1.79
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	4	1.79
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	4	1.79
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	4	1.79
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	4	1.79
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	10	1.79
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	10	1.79
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	10	1.79
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	1	1.79
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	1	1.79
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	1	1.79
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	1	1.79
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	1	1.79
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	1	1.79
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	2	1.79
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	2	1.79
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	2	1.79
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	2	1.79
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	2	1.79
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	2	1.79
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	4	1.79
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	4	1.79
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	4	1.79
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	4	1.79
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	4	1.79
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	4	1.79
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	20	1.79
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	20	1.79
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	20	1.79
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	13	1.79
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	15	1.79
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	18	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	24	1.79
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	5	1.79
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	13	1.78
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	16	1.78
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	10	1.78
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	6	1.78
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	14	1.78
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	23	1.78
(1,1543)	1:41:A:THR:HG21	1:39:A:ASP:HB2	5	1.78
(1,1543)	1:41:A:THR:HG21	1:39:A:ASP:HB2	10	1.78
(1,1543)	1:41:A:THR:HG23	1:39:A:ASP:HB2	21	1.78
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB1	6	1.78
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	9	1.78
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	21	1.78
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	21	1.78
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	2	1.78
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	2	1.78
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	17	1.78
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	17	1.78
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD21	17	1.78
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD22	17	1.78
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD23	17	1.78
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	11	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	1	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	1	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	1	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	1	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	1	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	1	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	4	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	4	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	4	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	4	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	4	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	4	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	8	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	8	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	8	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	8	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	8	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	8	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	13	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	13	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	13	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	13	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	13	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	13	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	17	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	17	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	17	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	17	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	17	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	17	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	19	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	19	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	19	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	19	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	19	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	19	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	21	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	21	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	21	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	21	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	21	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	21	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	22	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	22	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	22	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	22	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	22	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	22	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	23	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	23	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	23	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	23	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	23	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	23	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	25	1.78
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	25	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	25	1.78
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	25	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	25	1.78
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	25	1.78
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	16	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	16	1.78
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	16	1.78
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	16	1.78
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	16	1.78
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	16	1.78
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	16	1.78
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	16	1.78
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	16	1.78
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	2	1.78
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	2	1.78
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	2	1.78
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	10	1.78
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	14	1.78
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	21	1.78
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	2	1.78
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	2	1.78
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	17	1.78
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	4	1.78
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	7	1.78
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	24	1.78
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	6	1.78
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	3	1.78
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	3	1.78
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	3	1.78
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	19	1.78
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	19	1.78
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	19	1.78
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	22	1.78
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	15	1.78
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	8	1.78
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	25	1.78
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	25	1.78
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	25	1.78
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	12	1.77
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	17	1.77
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	22	1.77
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	15	1.77
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	17	1.77
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	20	1.77
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB3	22	1.77
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	17	1.77
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	17	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	17	1.77
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	17	1.77
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	17	1.77
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	17	1.77
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	17	1.77
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	17	1.77
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	17	1.77
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	3	1.77
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE2	10	1.77
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	25	1.77
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	25	1.77
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	25	1.77
(1,1096)	1:28:A:GLU:HG3	1:31:A:MET:HE2	5	1.77
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	21	1.77
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	21	1.77
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD21	18	1.77
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD22	18	1.77
(1,1050)	1:46:A:ASP:HB3	1:49:A:LEU:HD23	18	1.77
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	8	1.77
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	8	1.77
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	8	1.77
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	16	1.77
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	16	1.77
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	16	1.77
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	12	1.77
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	12	1.77
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	12	1.77
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	12	1.77
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	12	1.77
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	12	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	2	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	2	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	2	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	2	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	2	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	2	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	5	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	5	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	5	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	5	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	5	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	5	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	7	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	7	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	7	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	7	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	7	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	7	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	10	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	10	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	10	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	10	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	10	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	10	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	11	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	11	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	11	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	11	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	11	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	11	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	12	1.77
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	12	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	12	1.77
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	12	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	12	1.77
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	12	1.77
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	9	1.77
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	13	1.77
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	11	1.77
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	25	1.77
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	10	1.77
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	14	1.77
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	16	1.77
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	19	1.77
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	19	1.77
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	19	1.77
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	19	1.77
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	5	1.77
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	5	1.77
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	5	1.77
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	16	1.77
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	16	1.77
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	16	1.77
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	11	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:64:A:PRO:HB2	1:66:A:LYS:H	18	1.77
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	3	1.77
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	14	1.77
(1,130)	1:62:A:ASP:HB2	1:66:A:LYS:H	18	1.77
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	18	1.77
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	23	1.77
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	23	1.77
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	23	1.77
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	22	1.76
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	8	1.76
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG22	11	1.76
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD23	15	1.76
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	6	1.76
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	7	1.76
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	9	1.76
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	11	1.76
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	21	1.76
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	22	1.76
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	24	1.76
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	25	1.76
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	11	1.76
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	19	1.76
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	19	1.76
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	19	1.76
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	19	1.76
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	19	1.76
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	19	1.76
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	19	1.76
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	19	1.76
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	19	1.76
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	19	1.76
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	19	1.76
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	8	1.76
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	8	1.76
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	25	1.76
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	25	1.76
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	1	1.76
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	1	1.76
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	1	1.76
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	20	1.76
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	20	1.76
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	20	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	24	1.76
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	24	1.76
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	24	1.76
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	24	1.76
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	24	1.76
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	24	1.76
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	6	1.76
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	6	1.76
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	6	1.76
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	6	1.76
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	6	1.76
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	6	1.76
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	14	1.76
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	14	1.76
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	14	1.76
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	14	1.76
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	14	1.76
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	14	1.76
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	16	1.76
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	16	1.76
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	16	1.76
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	16	1.76
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	16	1.76
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	16	1.76
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	20	1.76
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	20	1.76
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	20	1.76
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	20	1.76
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	20	1.76
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	20	1.76
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	24	1.76
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	24	1.76
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	24	1.76
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	24	1.76
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	24	1.76
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	24	1.76
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	10	1.76
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	10	1.76
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	10	1.76
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	10	1.76
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	10	1.76
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	10	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	4	1.76
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	4	1.76
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	4	1.76
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	6	1.76
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	6	1.76
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	6	1.76
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	12	1.76
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	12	1.76
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	14	1.76
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	14	1.76
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	14	1.76
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	14	1.76
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	14	1.76
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	14	1.76
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	14	1.76
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	14	1.76
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	14	1.76
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	25	1.76
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	25	1.76
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	25	1.76
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	25	1.76
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	5	1.76
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	18	1.76
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	7	1.76
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	7	1.76
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	7	1.76
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	2	1.76
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	5	1.76
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	5	1.76
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	5	1.76
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	3	1.75
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	18	1.75
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	4	1.75
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	8	1.75
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	10	1.75
(1,1542)	1:41:A:THR:HG22	1:39:A:ASP:HB3	14	1.75
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	2	1.75
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	16	1.75
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	15	1.75
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	15	1.75
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	15	1.75
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	15	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	15	1.75
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	15	1.75
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	15	1.75
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	15	1.75
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	15	1.75
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE1	4	1.75
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	11	1.75
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	11	1.75
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	11	1.75
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	15	1.75
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	6	1.75
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	6	1.75
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	6	1.75
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	21	1.75
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	2	1.75
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	2	1.75
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	2	1.75
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	2	1.75
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	2	1.75
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	2	1.75
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	3	1.75
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	3	1.75
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	3	1.75
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	3	1.75
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	3	1.75
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	3	1.75
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB2	9	1.75
(1,961)	1:5:A:VAL:HG21	1:6:A:LYS:HB3	9	1.75
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB2	9	1.75
(1,961)	1:5:A:VAL:HG22	1:6:A:LYS:HB3	9	1.75
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB2	9	1.75
(1,961)	1:5:A:VAL:HG23	1:6:A:LYS:HB3	9	1.75
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB3	23	1.75
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB3	23	1.75
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	23	1.75
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	23	1.75
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	23	1.75
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	6	1.75
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	12	1.75
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	12	1.75
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	12	1.75
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	18	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	9	1.75
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	15	1.75
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	22	1.75
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	20	1.75
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	19	1.75
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	19	1.75
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	19	1.75
(1,291)	1:7:A:GLU:HB2	1:4:A:GLY:H	8	1.75
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	8	1.75
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	13	1.75
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	15	1.75
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	18	1.75
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	20	1.75
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	1	1.74
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	6	1.74
(1,1795)	1:65:A:PHE:HE1	1:71:A:VAL:HB	4	1.74
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	5	1.74
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	15	1.74
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	5	1.74
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	14	1.74
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	19	1.74
(1,1599)	1:13:A:ILE:HD12	1:73:A:ASP:HA	19	1.74
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB1	25	1.74
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	10	1.74
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	5	1.74
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	20	1.74
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	22	1.74
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	22	1.74
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	22	1.74
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	22	1.74
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	22	1.74
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	22	1.74
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	22	1.74
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	22	1.74
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	22	1.74
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	7	1.74
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	7	1.74
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	11	1.74
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	11	1.74
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	14	1.74
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	14	1.74
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	20	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	20	1.74
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	24	1.74
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	24	1.74
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	2	1.74
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	2	1.74
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	2	1.74
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	15	1.74
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	15	1.74
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	15	1.74
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	23	1.74
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	23	1.74
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	23	1.74
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	25	1.74
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	25	1.74
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	25	1.74
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	18	1.74
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	18	1.74
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	22	1.74
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	22	1.74
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	22	1.74
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	22	1.74
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	22	1.74
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	22	1.74
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	14	1.74
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	20	1.74
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	22	1.74
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	24	1.74
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	24	1.74
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	24	1.74
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	25	1.74
(1,647)	1:9:A:ILE:H	1:11:A:GLY:HA3	24	1.74
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	13	1.74
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	13	1.74
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	13	1.74
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	13	1.74
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	13	1.74
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	13	1.74
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	23	1.74
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	23	1.74
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	23	1.74
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	5	1.74
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	15	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	1	1.74
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	10	1.74
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	3	1.74
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	6	1.74
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	9	1.74
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	12	1.74
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	14	1.74
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	23	1.74
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	25	1.74
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	22	1.74
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	12	1.74
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	12	1.74
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	12	1.74
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	22	1.73
(1,1795)	1:65:A:PHE:HE2	1:71:A:VAL:HB	10	1.73
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD13	1	1.73
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	18	1.73
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	12	1.73
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	18	1.73
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	12	1.73
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	13	1.73
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	15	1.73
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	13	1.73
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	1	1.73
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	1	1.73
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	21	1.73
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	21	1.73
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	3	1.73
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	3	1.73
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	3	1.73
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	3	1.73
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	3	1.73
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	3	1.73
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	3	1.73
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	3	1.73
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	3	1.73
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	17	1.73
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	15	1.73
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	15	1.73
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	23	1.73
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	23	1.73
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	23	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	23	1.73
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	23	1.73
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	23	1.73
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	8	1.73
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	8	1.73
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	8	1.73
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	8	1.73
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	8	1.73
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	8	1.73
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	8	1.73
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	8	1.73
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	8	1.73
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	21	1.73
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	21	1.73
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	21	1.73
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	21	1.73
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	21	1.73
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	21	1.73
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	21	1.73
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	21	1.73
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	21	1.73
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	4	1.73
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	4	1.73
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	7	1.73
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	7	1.73
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	23	1.73
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	23	1.73
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	20	1.73
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	20	1.73
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	20	1.73
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	20	1.73
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	20	1.73
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	20	1.73
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	5	1.73
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	5	1.73
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	5	1.73
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	17	1.73
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	17	1.73
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	17	1.73
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	20	1.73
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	20	1.73
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	20	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	15	1.73
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	21	1.73
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	2	1.73
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	19	1.73
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	1	1.73
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	1	1.73
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	17	1.73
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	17	1.73
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	24	1.73
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	18	1.73
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	18	1.73
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	18	1.73
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	18	1.73
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	1	1.73
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	1	1.73
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	1	1.73
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	22	1.73
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	12	1.73
(1,291)	1:7:A:GLU:HB3	1:4:A:GLY:H	20	1.73
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	1	1.73
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	5	1.73
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	10	1.73
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	11	1.73
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	16	1.73
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	17	1.73
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	19	1.73
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	21	1.73
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	22	1.73
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	24	1.73
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	6	1.73
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	21	1.73
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	1	1.73
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	1	1.73
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	1	1.73
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	9	1.73
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	9	1.73
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	9	1.73
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	15	1.73
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	15	1.73
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	15	1.73
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	8	1.72
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	24	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	13	1.72
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	16	1.72
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB1	9	1.72
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	7	1.72
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	14	1.72
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	21	1.72
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	25	1.72
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	13	1.72
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	13	1.72
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	13	1.72
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	13	1.72
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	13	1.72
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	13	1.72
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	20	1.72
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	20	1.72
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	20	1.72
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	20	1.72
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	20	1.72
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	20	1.72
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	20	1.72
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	20	1.72
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	20	1.72
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	2	1.72
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	22	1.72
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	22	1.72
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	22	1.72
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	5	1.72
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	5	1.72
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	5	1.72
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	21	1.72
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	21	1.72
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	21	1.72
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	17	1.72
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	17	1.72
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	17	1.72
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	17	1.72
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	17	1.72
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	17	1.72
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	10	1.72
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	10	1.72
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	10	1.72
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	10	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	10	1.72
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	10	1.72
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	10	1.72
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	10	1.72
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	10	1.72
(1,922)	1:13:A:ILE:HD12	1:10:A:ARG:HB2	16	1.72
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	2	1.72
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	2	1.72
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	2	1.72
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	2	1.72
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	2	1.72
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	2	1.72
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	13	1.72
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	13	1.72
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	13	1.72
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	13	1.72
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	13	1.72
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	13	1.72
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	19	1.72
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	19	1.72
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	19	1.72
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	17	1.72
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	10	1.72
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	11	1.72
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	11	1.72
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	11	1.72
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	11	1.72
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	11	1.72
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	11	1.72
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	11	1.72
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	11	1.72
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	11	1.72
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	8	1.72
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	8	1.72
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	8	1.72
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	8	1.72
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	7	1.72
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	7	1.72
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	7	1.72
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	3	1.72
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	3	1.72
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	3	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	3	1.72
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	3	1.72
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	3	1.72
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	18	1.72
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	18	1.72
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	18	1.72
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	18	1.72
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	18	1.72
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	18	1.72
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	9	1.72
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	14	1.72
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	14	1.72
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	14	1.72
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	19	1.72
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	16	1.72
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	4	1.72
(1,182)	1:25:A:ASN:HB2	1:26:A:SER:H	7	1.72
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	23	1.72
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	19	1.72
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	23	1.72
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	7	1.71
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	1	1.71
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	17	1.71
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	23	1.71
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	2	1.71
(1,1562)	1:47:A:VAL:HG13	1:43:A:LYS:HB3	11	1.71
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	9	1.71
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	12	1.71
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	23	1.71
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	15	1.71
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	15	1.71
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	15	1.71
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	15	1.71
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	15	1.71
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	15	1.71
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	15	1.71
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	15	1.71
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	15	1.71
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	22	1.71
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	22	1.71
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	3	1.71
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	24	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	24	1.71
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	24	1.71
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	24	1.71
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	24	1.71
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	24	1.71
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	21	1.71
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	21	1.71
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	21	1.71
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	22	1.71
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	22	1.71
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	22	1.71
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	15	1.71
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	15	1.71
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	15	1.71
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	15	1.71
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	15	1.71
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	15	1.71
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	15	1.71
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	15	1.71
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	15	1.71
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	25	1.71
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	25	1.71
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	25	1.71
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	25	1.71
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	25	1.71
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	9	1.71
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	9	1.71
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	9	1.71
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	22	1.71
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	22	1.71
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	22	1.71
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	16	1.71
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	7	1.71
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	16	1.71
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	16	1.71
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	16	1.71
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	16	1.71
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	16	1.71
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	16	1.71
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	7	1.71
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	7	1.71
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	21	1.71
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	21	1.71
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	21	1.71
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	24	1.71
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	13	1.71
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	13	1.71
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	13	1.71
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	19	1.71
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	19	1.71
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	19	1.71
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	3	1.71
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	23	1.71
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	23	1.71
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	23	1.71
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	18	1.71
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	22	1.71
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	3	1.71
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	13	1.71
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	2	1.7
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	8	1.7
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	16	1.7
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	3	1.7
(1,1626)	1:26:A:SER:HB2	1:24:A:ILE:HA	10	1.7
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	24	1.7
(1,1535)	1:24:A:ILE:HD12	1:69:A:GLU:HB3	3	1.7
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB2	4	1.7
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	5	1.7
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	6	1.7
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	25	1.7
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	25	1.7
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	15	1.7
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	15	1.7
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	15	1.7
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD21	19	1.7
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD22	19	1.7
(1,1050)	1:46:A:ASP:HB2	1:49:A:LEU:HD23	19	1.7
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	22	1.7
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	22	1.7
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	22	1.7
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	21	1.7
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	21	1.7
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	3	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	3	1.7
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	3	1.7
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	3	1.7
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	3	1.7
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	3	1.7
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	15	1.7
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	15	1.7
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	18	1.7
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	18	1.7
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	18	1.7
(1,888)	1:66:A:LYS:HG3	1:67:A:SER:HA	7	1.7
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD3	5	1.7
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	6	1.7
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	6	1.7
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	6	1.7
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	15	1.7
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	15	1.7
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	15	1.7
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	21	1.7
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	21	1.7
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	21	1.7
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	25	1.7
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	23	1.7
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	23	1.7
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	23	1.7
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	4	1.7
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	18	1.7
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	23	1.7
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	7	1.7
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	11	1.7
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	25	1.7
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	25	1.7
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	25	1.7
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	25	1.7
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	25	1.7
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	25	1.7
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	25	1.7
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	25	1.7
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	25	1.7
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	22	1.7
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	12	1.7
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	7	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	5	1.7
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	14	1.7
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	2	1.7
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	3	1.7
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	5	1.69
(1,1795)	1:65:A:PHE:HE2	1:71:A:VAL:HB	18	1.69
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	3	1.69
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	12	1.69
(1,1641)	1:63:A:PHE:HB2	1:62:A:ASP:HB3	1	1.69
(1,1626)	1:26:A:SER:HB2	1:24:A:ILE:HA	25	1.69
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG12	15	1.69
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG13	17	1.69
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	22	1.69
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE2	23	1.69
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	18	1.69
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	18	1.69
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	9	1.69
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	9	1.69
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	9	1.69
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	13	1.69
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	13	1.69
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	13	1.69
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	20	1.69
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	20	1.69
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	20	1.69
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	20	1.69
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	20	1.69
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	20	1.69
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	20	1.69
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	20	1.69
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	20	1.69
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	2	1.69
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	2	1.69
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	15	1.69
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	15	1.69
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	15	1.69
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	15	1.69
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	15	1.69
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	15	1.69
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	9	1.69
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	9	1.69
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	20	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	20	1.69
(1,888)	1:66:A:LYS:HG3	1:67:A:SER:HA	2	1.69
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	13	1.69
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	1	1.69
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	1	1.69
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	1	1.69
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	11	1.69
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	11	1.69
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	11	1.69
(1,804)	1:9:A:ILE:HG13	1:6:A:LYS:HA	3	1.69
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	18	1.69
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	19	1.69
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	13	1.69
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	13	1.69
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	13	1.69
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	6	1.69
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	6	1.69
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	6	1.69
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	6	1.69
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	6	1.69
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	6	1.69
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	8	1.69
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	8	1.69
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	8	1.69
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	8	1.69
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	8	1.69
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	8	1.69
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	17	1.69
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	17	1.69
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	17	1.69
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	17	1.69
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	17	1.69
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	17	1.69
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	13	1.69
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	1	1.69
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	1	1.69
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	1	1.69
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	16	1.69
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	4	1.69
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	4	1.69
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	4	1.69
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	20	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	20	1.69
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	20	1.69
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	4	1.69
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	14	1.69
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	10	1.69
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	16	1.69
(1,1795)	1:65:A:PHE:HE2	1:71:A:VAL:HB	23	1.68
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	20	1.68
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	21	1.68
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG23	12	1.68
(1,1626)	1:26:A:SER:HB2	1:24:A:ILE:HA	18	1.68
(1,1543)	1:41:A:THR:HG21	1:39:A:ASP:HB2	22	1.68
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	24	1.68
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	4	1.68
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	8	1.68
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	8	1.68
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	8	1.68
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	8	1.68
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	8	1.68
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	8	1.68
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	8	1.68
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	8	1.68
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	8	1.68
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	23	1.68
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	23	1.68
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	23	1.68
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	23	1.68
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	23	1.68
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	23	1.68
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	23	1.68
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	23	1.68
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	23	1.68
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	4	1.68
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	4	1.68
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	4	1.68
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	4	1.68
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	4	1.68
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	4	1.68
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	4	1.68
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	4	1.68
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	4	1.68
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	14	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	14	1.68
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	14	1.68
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	14	1.68
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	14	1.68
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	14	1.68
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	17	1.68
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	17	1.68
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	17	1.68
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	17	1.68
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	17	1.68
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	17	1.68
(1,888)	1:66:A:LYS:HG3	1:67:A:SER:HA	15	1.68
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	7	1.68
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	7	1.68
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	7	1.68
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	3	1.68
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG3	8	1.68
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG3	8	1.68
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	5	1.68
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	3	1.68
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	5	1.68
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	6	1.68
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	11	1.68
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	17	1.68
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	22	1.68
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	2	1.68
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	2	1.68
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	2	1.68
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	2	1.68
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	24	1.68
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	24	1.68
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	24	1.68
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	24	1.68
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	15	1.68
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	15	1.68
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	15	1.68
(1,385)	1:6:A:LYS:HG2	1:73:A:ASP:H	18	1.68
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	9	1.68
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	21	1.68
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	8	1.68
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	21	1.68
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	21	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	21	1.68
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	1	1.68
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	1	1.68
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	1	1.68
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	2	1.68
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	11	1.68
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	4	1.68
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	5	1.68
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	16	1.68
(1,96)	1:55:A:GLY:HA3	1:52:A:SER:H	16	1.68
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	10	1.68
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	10	1.68
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	10	1.68
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	10	1.67
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	8	1.67
(1,1626)	1:26:A:SER:HB2	1:24:A:ILE:HA	2	1.67
(1,1626)	1:26:A:SER:HB2	1:24:A:ILE:HA	21	1.67
(1,1567)	1:57:A:VAL:HG13	1:53:A:ASP:HA	2	1.67
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	10	1.67
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	18	1.67
(1,1562)	1:47:A:VAL:HG13	1:43:A:LYS:HB3	14	1.67
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB1	10	1.67
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	23	1.67
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	8	1.67
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	15	1.67
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	18	1.67
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	20	1.67
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	3	1.67
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	8	1.67
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	15	1.67
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	15	1.67
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	15	1.67
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	15	1.67
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	15	1.67
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	15	1.67
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	21	1.67
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	21	1.67
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	21	1.67
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	21	1.67
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	21	1.67
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	21	1.67
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	21	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	21	1.67
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	21	1.67
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	8	1.67
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	8	1.67
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	17	1.67
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	17	1.67
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	16	1.67
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	16	1.67
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	19	1.67
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	19	1.67
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	6	1.67
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	6	1.67
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	6	1.67
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	16	1.67
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	16	1.67
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	16	1.67
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	13	1.67
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG2	13	1.67
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	19	1.67
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	19	1.67
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	19	1.67
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	19	1.67
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	19	1.67
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	19	1.67
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	19	1.67
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	19	1.67
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	19	1.67
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	10	1.67
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	10	1.67
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	6	1.67
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	6	1.67
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	6	1.67
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	6	1.67
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	6	1.67
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	6	1.67
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	5	1.67
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	5	1.67
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	8	1.67
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	8	1.67
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	16	1.67
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	25	1.67
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	10	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	10	1.67
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	10	1.67
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	12	1.67
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	12	1.67
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	12	1.67
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	24	1.67
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	24	1.67
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	24	1.67
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	7	1.67
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	7	1.67
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	7	1.67
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	20	1.67
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	20	1.67
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	13	1.67
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	13	1.67
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	13	1.67
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	13	1.67
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	19	1.67
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	19	1.67
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	19	1.67
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	19	1.67
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	19	1.67
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	19	1.67
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	2	1.67
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	11	1.67
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	10	1.67
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	10	1.67
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	10	1.67
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	16	1.67
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	16	1.67
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	16	1.67
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	13	1.67
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	24	1.67
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	25	1.67
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	2	1.67
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	2	1.67
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	2	1.67
(1,1762)	1:52:A:SER:H	1:75:A:ILE:HG23	9	1.66
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	14	1.66
(1,1626)	1:26:A:SER:HB2	1:24:A:ILE:HA	9	1.66
(1,1542)	1:41:A:THR:HG23	1:39:A:ASP:HB3	16	1.66
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	1	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	2	1.66
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	6	1.66
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	23	1.66
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	7	1.66
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	17	1.66
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	4	1.66
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	4	1.66
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	4	1.66
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	4	1.66
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	4	1.66
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	4	1.66
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	10	1.66
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	10	1.66
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	10	1.66
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	10	1.66
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	10	1.66
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	10	1.66
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	5	1.66
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	5	1.66
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	5	1.66
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	14	1.66
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	14	1.66
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	14	1.66
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	3	1.66
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	10	1.66
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	10	1.66
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	10	1.66
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	4	1.66
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	4	1.66
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	4	1.66
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	4	1.66
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	4	1.66
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	4	1.66
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	4	1.66
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	4	1.66
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	4	1.66
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	6	1.66
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	6	1.66
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	9	1.66
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	9	1.66
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	9	1.66
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	9	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	9	1.66
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	9	1.66
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	18	1.66
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	18	1.66
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	18	1.66
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	18	1.66
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	18	1.66
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	18	1.66
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	6	1.66
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	6	1.66
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	10	1.66
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	10	1.66
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	12	1.66
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	12	1.66
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	19	1.66
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	19	1.66
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	19	1.66
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	19	1.66
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	24	1.66
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	24	1.66
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	24	1.66
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	20	1.66
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	20	1.66
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	20	1.66
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	21	1.66
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	21	1.66
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	21	1.66
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	1	1.66
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	11	1.66
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	17	1.66
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	1	1.66
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	1	1.66
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	1	1.66
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	1	1.66
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	1	1.66
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	1	1.66
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	1	1.66
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	1	1.66
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	1	1.66
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	20	1.66
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	20	1.66
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	20	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	20	1.66
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	20	1.66
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	20	1.66
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	20	1.66
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	20	1.66
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	20	1.66
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	6	1.66
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	16	1.66
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	19	1.66
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	10	1.66
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	20	1.66
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	2	1.66
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	1	1.66
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	8	1.66
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	8	1.66
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	15	1.66
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	4	1.66
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	7	1.66
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	7	1.66
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	7	1.66
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	21	1.66
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	21	1.66
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	21	1.66
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	4	1.66
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	4	1.66
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	4	1.66
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	8	1.66
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	8	1.66
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	8	1.66
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	13	1.66
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	13	1.66
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	13	1.66
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	10	1.65
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	10	1.65
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	12	1.65
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	25	1.65
(1,1752)	1:34:A:LEU:HD13	1:31:A:MET:HE2	12	1.65
(1,1730)	1:31:A:MET:HB2	1:34:A:LEU:HD22	19	1.65
(1,1626)	1:26:A:SER:HB2	1:24:A:ILE:HA	22	1.65
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	25	1.65
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	25	1.65
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	25	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1562)	1:47:A:VAL:HG11	1:43:A:LYS:HB3	1	1.65
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	1	1.65
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	3	1.65
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	17	1.65
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	21	1.65
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	21	1.65
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	21	1.65
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	21	1.65
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	21	1.65
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	21	1.65
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	19	1.65
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	1	1.65
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	1	1.65
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	1	1.65
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	18	1.65
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	18	1.65
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	18	1.65
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	8	1.65
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	8	1.65
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	8	1.65
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	8	1.65
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	8	1.65
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	8	1.65
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	8	1.65
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	8	1.65
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	8	1.65
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	17	1.65
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	17	1.65
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	17	1.65
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	20	1.65
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	5	1.65
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	5	1.65
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	5	1.65
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	5	1.65
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	5	1.65
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	5	1.65
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	5	1.65
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	5	1.65
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	5	1.65
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	17	1.65
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	17	1.65
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	17	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	17	1.65
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	17	1.65
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	17	1.65
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	17	1.65
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	17	1.65
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	17	1.65
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	1	1.65
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	1	1.65
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	1	1.65
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	1	1.65
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	1	1.65
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	1	1.65
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	8	1.65
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	8	1.65
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	8	1.65
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	8	1.65
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	8	1.65
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	8	1.65
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	18	1.65
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	18	1.65
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	22	1.65
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	22	1.65
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	3	1.65
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	3	1.65
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	1	1.65
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	8	1.65
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	5	1.65
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	5	1.65
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	5	1.65
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	5	1.65
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	5	1.65
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	5	1.65
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	5	1.65
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	5	1.65
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	5	1.65
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	5	1.65
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	4	1.65
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	4	1.65
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	4	1.65
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	3	1.65
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	3	1.65
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	3	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	25	1.65
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	25	1.65
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	25	1.65
(1,193)	1:33:A:ALA:HB3	1:37:A:GLY:H	10	1.65
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	18	1.65
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	6	1.65
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	20	1.65
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	20	1.65
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	20	1.65
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	16	1.64
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	7	1.64
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	25	1.64
(1,1626)	1:26:A:SER:HB2	1:24:A:ILE:HA	20	1.64
(1,1562)	1:47:A:VAL:HG12	1:43:A:LYS:HB3	23	1.64
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG12	6	1.64
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	13	1.64
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	19	1.64
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	18	1.64
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	5	1.64
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	5	1.64
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	5	1.64
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	5	1.64
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	5	1.64
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	5	1.64
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	21	1.64
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	21	1.64
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	21	1.64
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	21	1.64
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	21	1.64
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	21	1.64
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	21	1.64
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	21	1.64
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	21	1.64
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	14	1.64
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	14	1.64
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	13	1.64
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	13	1.64
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	13	1.64
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	13	1.64
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	13	1.64
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	13	1.64
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	13	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	13	1.64
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	13	1.64
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	16	1.64
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	16	1.64
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	16	1.64
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	16	1.64
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	16	1.64
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	16	1.64
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	16	1.64
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	16	1.64
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	16	1.64
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	11	1.64
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	11	1.64
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	11	1.64
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	11	1.64
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	11	1.64
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	11	1.64
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	11	1.64
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	11	1.64
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	11	1.64
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	4	1.64
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	4	1.64
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	10	1.64
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	4	1.64
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	13	1.64
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	18	1.64
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	13	1.64
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	3	1.64
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	3	1.64
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	18	1.64
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	4	1.64
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	4	1.64
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	4	1.64
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	4	1.64
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	4	1.64
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	4	1.64
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	4	1.64
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	4	1.64
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	4	1.64
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB2	9	1.64
(1,562)	1:11:A:GLY:HA2	1:69:A:GLU:HB3	9	1.64
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB2	9	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:11:A:GLY:HA3	1:69:A:GLU:HB3	9	1.64
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	24	1.64
(1,289)	1:7:A:GLU:HG2	1:4:A:GLY:H	20	1.64
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	8	1.64
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	8	1.64
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	8	1.64
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	12	1.64
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	12	1.64
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	12	1.64
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	5	1.64
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	3	1.64
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	6	1.64
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	17	1.64
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	20	1.64
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	20	1.64
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	20	1.64
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	17	1.64
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	14	1.63
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	17	1.63
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	14	1.63
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	25	1.63
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	9	1.63
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	9	1.63
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	9	1.63
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	9	1.63
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	9	1.63
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	9	1.63
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	23	1.63
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	23	1.63
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	23	1.63
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	23	1.63
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	23	1.63
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	23	1.63
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	25	1.63
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	25	1.63
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	25	1.63
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	25	1.63
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	25	1.63
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	25	1.63
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	16	1.63
(1,1219)	1:68:A:ALA:HA	1:65:A:PHE:HE2	18	1.63
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	24	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	24	1.63
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	8	1.63
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	8	1.63
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	8	1.63
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	23	1.63
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	23	1.63
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	23	1.63
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	23	1.63
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	23	1.63
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	23	1.63
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	23	1.63
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	23	1.63
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	23	1.63
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	25	1.63
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	25	1.63
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	25	1.63
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	25	1.63
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	25	1.63
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	25	1.63
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	25	1.63
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	25	1.63
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	25	1.63
(1,888)	1:66:A:LYS:HG2	1:67:A:SER:HA	21	1.63
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	5	1.63
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	5	1.63
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	7	1.63
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	7	1.63
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	4	1.63
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	12	1.63
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	12	1.63
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	17	1.63
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	20	1.63
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	24	1.63
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	4	1.63
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	4	1.63
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	4	1.63
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	3	1.63
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	13	1.63
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	6	1.63
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	6	1.63
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	6	1.63
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	25	1.63
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	22	1.63
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	3	1.63
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	3	1.63
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	3	1.63
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	13	1.62
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	25	1.62
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	10	1.62
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	6	1.62
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	5	1.62
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	5	1.62
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	6	1.62
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	6	1.62
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	10	1.62
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	10	1.62
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	10	1.62
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	11	1.62
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	11	1.62
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	11	1.62
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	7	1.62
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	7	1.62
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	7	1.62
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	7	1.62
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	7	1.62
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	7	1.62
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	7	1.62
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	7	1.62
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	7	1.62
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	22	1.62
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	22	1.62
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	22	1.62
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	22	1.62
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	22	1.62
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	22	1.62
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	22	1.62
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	22	1.62
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	22	1.62
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	1	1.62
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	1	1.62
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	1	1.62
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	1	1.62
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	1	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	2	1.62
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	2	1.62
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	3	1.62
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	3	1.62
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	3	1.62
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	12	1.62
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	21	1.62
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	7	1.62
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	14	1.62
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	21	1.62
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	25	1.62
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	3	1.62
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	9	1.62
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	16	1.62
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	20	1.62
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	10	1.62
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	10	1.62
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	10	1.62
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	10	1.62
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	10	1.62
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	10	1.62
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	20	1.62
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	25	1.62
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	16	1.62
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	22	1.62
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	22	1.62
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	22	1.62
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	3	1.62
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	8	1.62
(1,244)	1:66:A:LYS:HG3	1:67:A:SER:H	2	1.62
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	23	1.62
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	25	1.62
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	24	1.62
(1,146)	1:48:A:GLU:HB2	1:41:A:THR:H	24	1.62
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	18	1.62
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	18	1.62
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	18	1.62
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	14	1.62
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	14	1.62
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	14	1.62
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	11	1.61
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	7	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1567)	1:57:A:VAL:HG12	1:53:A:ASP:HA	7	1.61
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB3	5	1.61
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	9	1.61
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	14	1.61
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	1	1.61
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	24	1.61
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	19	1.61
(1,1079)	1:11:A:GLY:HA2	1:17:A:LEU:HB2	23	1.61
(1,1079)	1:11:A:GLY:HA3	1:17:A:LEU:HB2	23	1.61
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	9	1.61
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	9	1.61
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	9	1.61
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	3	1.61
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	3	1.61
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	3	1.61
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	12	1.61
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	12	1.61
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	12	1.61
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	14	1.61
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	14	1.61
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	14	1.61
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	14	1.61
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	14	1.61
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	14	1.61
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	14	1.61
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	14	1.61
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	14	1.61
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA2	2	1.61
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA3	2	1.61
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	5	1.61
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	5	1.61
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	5	1.61
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	5	1.61
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	5	1.61
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	5	1.61
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	8	1.61
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	8	1.61
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	9	1.61
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	9	1.61
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	13	1.61
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	13	1.61
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	17	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	17	1.61
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	18	1.61
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	18	1.61
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	6	1.61
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	6	1.61
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	6	1.61
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	17	1.61
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	17	1.61
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	17	1.61
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	19	1.61
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	19	1.61
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	19	1.61
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	19	1.61
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	19	1.61
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	19	1.61
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	19	1.61
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	19	1.61
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	19	1.61
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	9	1.61
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	12	1.61
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	1	1.61
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	6	1.61
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	8	1.61
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	15	1.61
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	21	1.61
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	21	1.61
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	21	1.61
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	21	1.61
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	21	1.61
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	21	1.61
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	21	1.61
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	21	1.61
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	21	1.61
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	23	1.61
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	23	1.61
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	23	1.61
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	17	1.61
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	15	1.61
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	11	1.61
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	11	1.61
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	11	1.61
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	21	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	21	1.61
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	21	1.61
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	4	1.61
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	17	1.61
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	21	1.61
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	6	1.61
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	6	1.61
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	6	1.61
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	13	1.61
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	13	1.61
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	13	1.61
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	19	1.6
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD11	4	1.6
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	18	1.6
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	15	1.6
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	15	1.6
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	15	1.6
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	4	1.6
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	18	1.6
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG23	3	1.6
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD11	4	1.6
(1,1647)	1:71:A:VAL:HG13	1:62:A:ASP:HB3	18	1.6
(1,1567)	1:57:A:VAL:HG13	1:53:A:ASP:HA	12	1.6
(1,1562)	1:47:A:VAL:HG11	1:43:A:LYS:HB3	22	1.6
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB2	16	1.6
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	4	1.6
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	8	1.6
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	17	1.6
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	22	1.6
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	24	1.6
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	15	1.6
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	19	1.6
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	24	1.6
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	23	1.6
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	23	1.6
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	23	1.6
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	23	1.6
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	23	1.6
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	23	1.6
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	23	1.6
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	23	1.6
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	23	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	12	1.6
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	12	1.6
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	2	1.6
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	2	1.6
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	2	1.6
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	2	1.6
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	2	1.6
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	2	1.6
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	2	1.6
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	2	1.6
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	2	1.6
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	1	1.6
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	1	1.6
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	1	1.6
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	1	1.6
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	1	1.6
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	1	1.6
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	1	1.6
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	1	1.6
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	1	1.6
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	6	1.6
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	6	1.6
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	6	1.6
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	6	1.6
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	6	1.6
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	6	1.6
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	6	1.6
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	6	1.6
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	6	1.6
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	16	1.6
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	16	1.6
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	16	1.6
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	16	1.6
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	16	1.6
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	16	1.6
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	12	1.6
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	12	1.6
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	15	1.6
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	15	1.6
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	23	1.6
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	23	1.6
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	1	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	1	1.6
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	1	1.6
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	9	1.6
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	9	1.6
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	9	1.6
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	24	1.6
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	24	1.6
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	24	1.6
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	7	1.6
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	10	1.6
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	19	1.6
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	11	1.6
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	5	1.6
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	23	1.6
(1,595)	1:21:A:ASP:HA	1:22:A:PHE:HB2	22	1.6
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	9	1.6
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	9	1.6
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	9	1.6
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	9	1.6
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	9	1.6
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	9	1.6
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	9	1.6
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	9	1.6
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	9	1.6
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	8	1.6
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	8	1.6
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	8	1.6
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	1	1.6
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	6	1.6
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	21	1.6
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	17	1.6
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	17	1.6
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	17	1.6
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	1	1.6
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	23	1.6
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	16	1.6
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	18	1.6
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	23	1.6
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	18	1.6
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	23	1.6
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	23	1.6
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	23	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	7	1.59
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	9	1.59
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	19	1.59
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG23	13	1.59
(1,1543)	1:41:A:THR:HG21	1:39:A:ASP:HB2	7	1.59
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB3	17	1.59
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	1	1.59
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	3	1.59
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	5	1.59
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	11	1.59
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	12	1.59
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	18	1.59
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	23	1.59
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	5	1.59
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	10	1.59
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	11	1.59
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	22	1.59
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	12	1.59
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	12	1.59
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	12	1.59
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	12	1.59
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	12	1.59
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	12	1.59
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	4	1.59
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	4	1.59
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	4	1.59
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	4	1.59
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	4	1.59
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	19	1.59
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	19	1.59
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	19	1.59
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	7	1.59
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	7	1.59
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	7	1.59
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	7	1.59
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	7	1.59
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	7	1.59
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	12	1.59
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	12	1.59
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	12	1.59
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	12	1.59
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	12	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	12	1.59
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	12	1.59
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	12	1.59
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	12	1.59
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG2	4	1.59
(1,922)	1:13:A:ILE:HD12	1:10:A:ARG:HB2	10	1.59
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	11	1.59
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	11	1.59
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	11	1.59
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	11	1.59
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	11	1.59
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	11	1.59
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	25	1.59
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	25	1.59
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	7	1.59
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	7	1.59
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	7	1.59
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	14	1.59
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	14	1.59
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	14	1.59
(1,806)	1:9:A:ILE:HG21	1:6:A:LYS:HA	25	1.59
(1,806)	1:9:A:ILE:HG22	1:6:A:LYS:HA	25	1.59
(1,806)	1:9:A:ILE:HG23	1:6:A:LYS:HA	25	1.59
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	13	1.59
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	12	1.59
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	12	1.59
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	16	1.59
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	7	1.59
(1,697)	1:25:A:ASN:H	1:23:A:PRO:HB2	2	1.59
(1,689)	1:71:A:VAL:HA	1:77:A:ASN:HB2	9	1.59
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	21	1.59
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	21	1.59
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	21	1.59
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	21	1.59
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	21	1.59
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	21	1.59
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	5	1.59
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	4	1.59
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	18	1.59
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	2	1.59
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	4	1.59
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	16	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	17	1.59
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	9	1.59
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	8	1.59
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	4	1.59
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	11	1.59
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	13	1.59
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	15	1.59
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	20	1.59
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	5	1.59
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	3	1.59
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	3	1.59
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	3	1.59
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	2	1.59
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	2	1.59
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	2	1.59
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	7	1.59
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	7	1.59
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	7	1.59
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	14	1.59
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	14	1.59
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	14	1.59
(1,1806)	1:22:A:PHE:HZ	1:64:A:PRO:HG2	21	1.58
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	18	1.58
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD12	3	1.58
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	11	1.58
(1,1562)	1:47:A:VAL:HG11	1:43:A:LYS:HB3	24	1.58
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB3	13	1.58
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	19	1.58
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	12	1.58
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	7	1.58
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	7	1.58
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	7	1.58
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	7	1.58
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	7	1.58
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	7	1.58
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	7	1.58
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	7	1.58
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	7	1.58
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	2	1.58
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	2	1.58
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	2	1.58
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	1	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	1	1.58
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	1	1.58
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	4	1.58
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	4	1.58
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	4	1.58
(1,989)	1:37:A:GLY:HA3	1:35:A:PRO:HG2	12	1.58
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG2	18	1.58
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	6	1.58
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	6	1.58
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	24	1.58
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	24	1.58
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	15	1.58
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	15	1.58
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	15	1.58
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	19	1.58
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	19	1.58
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	3	1.58
(1,772)	1:55:A:GLY:H	1:58:A:LEU:HG	24	1.58
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	5	1.58
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	5	1.58
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	4	1.58
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	25	1.58
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	15	1.58
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	15	1.58
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	15	1.58
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	15	1.58
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	15	1.58
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	15	1.58
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	15	1.58
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	15	1.58
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	15	1.58
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	18	1.58
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	18	1.58
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	18	1.58
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	23	1.58
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	23	1.58
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	23	1.58
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	11	1.58
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	11	1.58
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	11	1.58
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	1	1.58
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	24	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	5	1.58
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	5	1.58
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	5	1.58
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	15	1.58
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	15	1.58
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	15	1.58
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	8	1.58
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	19	1.58
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	2	1.58
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	7	1.58
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	8	1.58
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	12	1.58
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	19	1.58
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	22	1.58
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	24	1.58
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	13	1.58
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	14	1.58
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	1	1.58
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	1	1.58
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	1	1.58
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	8	1.58
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	8	1.58
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	8	1.58
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	9	1.58
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	9	1.58
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	9	1.58
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	16	1.58
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	16	1.58
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	16	1.58
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	22	1.58
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	22	1.58
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	22	1.58
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	25	1.57
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	22	1.57
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	22	1.57
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	22	1.57
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	9	1.57
(1,1621)	1:75:A:ILE:HG23	1:76:A:VAL:HG13	23	1.57
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	14	1.57
(1,1453)	1:25:A:ASN:HA	1:28:A:GLU:H	16	1.57
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	14	1.57
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	14	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	14	1.57
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	14	1.57
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	14	1.57
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	14	1.57
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	14	1.57
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	14	1.57
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	14	1.57
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	11	1.57
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	11	1.57
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD11	22	1.57
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD12	22	1.57
(1,1141)	1:24:A:ILE:HG13	1:14:A:ILE:HD13	22	1.57
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	18	1.57
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	18	1.57
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	18	1.57
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	9	1.57
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	9	1.57
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	9	1.57
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	9	1.57
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	9	1.57
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	9	1.57
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	9	1.57
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	9	1.57
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	9	1.57
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	17	1.57
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	17	1.57
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	10	1.57
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	10	1.57
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	11	1.57
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	11	1.57
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	21	1.57
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	21	1.57
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	22	1.57
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	22	1.57
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	8	1.57
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	15	1.57
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	18	1.57
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	20	1.57
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	13	1.57
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	20	1.57
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	14	1.57
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	15	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	10	1.57
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	22	1.57
(1,244)	1:66:A:LYS:HG3	1:67:A:SER:H	7	1.57
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	4	1.57
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	1	1.57
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	3	1.57
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	5	1.57
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	5	1.57
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	5	1.57
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	5	1.57
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	17	1.57
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	17	1.57
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	17	1.57
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	24	1.57
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	24	1.57
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	24	1.57
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	5	1.56
(1,1626)	1:31:A:MET:HG3	1:37:A:GLY:HA2	16	1.56
(1,1562)	1:47:A:VAL:HG12	1:43:A:LYS:HB3	18	1.56
(1,1543)	1:41:A:THR:HG22	1:39:A:ASP:HB2	2	1.56
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	3	1.56
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	17	1.56
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	11	1.56
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	21	1.56
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	23	1.56
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	23	1.56
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	9	1.56
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	14	1.56
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	14	1.56
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	14	1.56
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	14	1.56
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	14	1.56
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	14	1.56
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	14	1.56
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	14	1.56
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	14	1.56
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	5	1.56
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	5	1.56
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	5	1.56
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB2	11	1.56
(1,967)	1:47:A:VAL:HG21	1:44:A:SER:HB3	11	1.56
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB2	11	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:47:A:VAL:HG22	1:44:A:SER:HB3	11	1.56
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB2	11	1.56
(1,967)	1:47:A:VAL:HG23	1:44:A:SER:HB3	11	1.56
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	22	1.56
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	22	1.56
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	2	1.56
(1,893)	1:76:A:VAL:HG11	1:7:A:GLU:HB3	23	1.56
(1,893)	1:76:A:VAL:HG12	1:7:A:GLU:HB3	23	1.56
(1,893)	1:76:A:VAL:HG13	1:7:A:GLU:HB3	23	1.56
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	20	1.56
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	20	1.56
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	1	1.56
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	2	1.56
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	6	1.56
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	23	1.56
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	15	1.56
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	15	1.56
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	22	1.56
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	22	1.56
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	22	1.56
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	22	1.56
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	22	1.56
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	22	1.56
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	22	1.56
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	22	1.56
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	22	1.56
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	13	1.56
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	1	1.56
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	23	1.56
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	5	1.56
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	5	1.56
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	5	1.56
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	1	1.56
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	2	1.56
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	6	1.56
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	9	1.56
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	10	1.56
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	4	1.56
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	4	1.56
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	4	1.56
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	11	1.56
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	11	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	11	1.56
(1,1803)	1:65:A:PHE:HD2	1:68:A:ALA:HA	23	1.55
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	4	1.55
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD13	10	1.55
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	17	1.55
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	17	1.55
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	17	1.55
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD13	10	1.55
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	25	1.55
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	24	1.55
(1,1436)	1:64:A:PRO:HG2	1:62:A:ASP:H	1	1.55
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	20	1.55
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	20	1.55
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	13	1.55
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	7	1.55
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	7	1.55
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	7	1.55
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	9	1.55
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	9	1.55
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	9	1.55
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	9	1.55
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	9	1.55
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	9	1.55
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	9	1.55
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	9	1.55
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	9	1.55
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	13	1.55
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	13	1.55
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	13	1.55
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG2	2	1.55
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	24	1.55
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	24	1.55
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	24	1.55
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	24	1.55
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	24	1.55
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	24	1.55
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	24	1.55
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	24	1.55
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	24	1.55
(1,926)	1:10:A:ARG:HD3	1:7:A:GLU:HG3	7	1.55
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	5	1.55
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	16	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	16	1.55
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	14	1.55
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	14	1.55
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	4	1.55
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	4	1.55
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	4	1.55
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	5	1.55
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	5	1.55
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	5	1.55
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	2	1.55
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	2	1.55
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	2	1.55
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	11	1.55
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	11	1.55
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	3	1.55
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	17	1.55
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	25	1.55
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	25	1.55
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	25	1.55
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	25	1.55
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	25	1.55
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	25	1.55
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	25	1.55
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	25	1.55
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	25	1.55
(1,560)	1:71:A:VAL:HG11	1:69:A:GLU:HA	3	1.55
(1,560)	1:71:A:VAL:HG12	1:69:A:GLU:HA	3	1.55
(1,560)	1:71:A:VAL:HG13	1:69:A:GLU:HA	3	1.55
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	4	1.55
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	4	1.55
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	4	1.55
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	19	1.55
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	19	1.55
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	19	1.55
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	9	1.55
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	15	1.55
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	22	1.55
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	3	1.55
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	24	1.55
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	24	1.55
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	24	1.55
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	12	1.55
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	13	1.55
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	21	1.55
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	11	1.55
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	11	1.55
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	11	1.55
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	14	1.55
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	14	1.55
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	14	1.55
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	8	1.55
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	12	1.55
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	12	1.55
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	12	1.55
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD11	19	1.54
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	21	1.54
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	21	1.54
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	21	1.54
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD11	19	1.54
(1,1567)	1:57:A:VAL:HG13	1:53:A:ASP:HA	16	1.54
(1,1562)	1:47:A:VAL:HG13	1:43:A:LYS:HB3	19	1.54
(1,1562)	1:47:A:VAL:HG13	1:43:A:LYS:HB3	20	1.54
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	10	1.54
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	10	1.54
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	2	1.54
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	10	1.54
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	10	1.54
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	10	1.54
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	10	1.54
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	10	1.54
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	10	1.54
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	10	1.54
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	10	1.54
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	10	1.54
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD21	13	1.54
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD22	13	1.54
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD23	13	1.54
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD21	13	1.54
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD22	13	1.54
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD23	13	1.54
(1,956)	1:62:A:ASP:HA	1:70:A:GLU:HG2	9	1.54
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	2	1.54
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	2	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	2	1.54
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	2	1.54
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	2	1.54
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	2	1.54
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	2	1.54
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	2	1.54
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	2	1.54
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	13	1.54
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	13	1.54
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	13	1.54
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	13	1.54
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	13	1.54
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	13	1.54
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	13	1.54
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	13	1.54
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	13	1.54
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	20	1.54
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	20	1.54
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	20	1.54
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	20	1.54
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	20	1.54
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	20	1.54
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	20	1.54
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	20	1.54
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	20	1.54
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	8	1.54
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	8	1.54
(1,887)	1:29:A:GLU:HB2	1:26:A:SER:HA	16	1.54
(1,887)	1:29:A:GLU:HB3	1:26:A:SER:HA	16	1.54
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	8	1.54
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	8	1.54
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	8	1.54
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	12	1.54
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	12	1.54
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	12	1.54
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	13	1.54
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	19	1.54
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	1	1.54
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	1	1.54
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	1	1.54
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	12	1.54
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	12	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	12	1.54
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	16	1.54
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	16	1.54
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	16	1.54
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	16	1.54
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	11	1.54
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	11	1.54
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	11	1.54
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	11	1.54
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	11	1.54
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	11	1.54
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	25	1.54
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	25	1.54
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	14	1.54
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	15	1.54
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	8	1.54
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	7	1.53
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	24	1.53
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG12	13	1.53
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	8	1.53
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	12	1.53
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	19	1.53
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	24	1.53
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	11	1.53
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	3	1.53
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	3	1.53
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	3	1.53
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	3	1.53
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	3	1.53
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	3	1.53
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	11	1.53
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	11	1.53
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	11	1.53
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	11	1.53
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	11	1.53
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	11	1.53
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	25	1.53
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	25	1.53
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	25	1.53
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	25	1.53
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	25	1.53
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	25	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	25	1.53
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	25	1.53
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	25	1.53
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	23	1.53
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	23	1.53
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	19	1.53
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	19	1.53
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	19	1.53
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	19	1.53
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	19	1.53
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	19	1.53
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	19	1.53
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	19	1.53
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	19	1.53
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	3	1.53
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	3	1.53
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	3	1.53
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	11	1.53
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	11	1.53
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	11	1.53
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG21	24	1.53
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG22	24	1.53
(1,1005)	1:70:A:GLU:HB2	1:76:A:VAL:HG23	24	1.53
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	2	1.53
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	2	1.53
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	2	1.53
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	2	1.53
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	2	1.53
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	2	1.53
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	3	1.53
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	3	1.53
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	21	1.53
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	21	1.53
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	6	1.53
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	13	1.53
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	13	1.53
(1,646)	1:17:A:LEU:H	1:19:A:GLY:HA2	19	1.53
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	25	1.53
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	25	1.53
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	25	1.53
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	17	1.53
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	17	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	17	1.53
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	17	1.53
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	15	1.53
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	15	1.53
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	15	1.53
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	15	1.53
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	15	1.53
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	15	1.53
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	21	1.53
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	9	1.53
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	25	1.53
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	14	1.53
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	14	1.53
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	14	1.53
(1,244)	1:66:A:LYS:HG3	1:67:A:SER:H	15	1.53
(1,227)	1:71:A:VAL:HG21	1:68:A:ALA:H	22	1.53
(1,227)	1:71:A:VAL:HG22	1:68:A:ALA:H	22	1.53
(1,227)	1:71:A:VAL:HG23	1:68:A:ALA:H	22	1.53
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	18	1.53
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	18	1.53
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	18	1.53
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	21	1.53
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	10	1.53
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	7	1.53
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	19	1.52
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD13	16	1.52
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	2	1.52
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG23	11	1.52
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD13	16	1.52
(1,1621)	1:75:A:ILE:HG23	1:76:A:VAL:HG13	18	1.52
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	8	1.52
(1,1599)	1:13:A:ILE:HD11	1:73:A:ASP:HA	9	1.52
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	19	1.52
(1,1567)	1:57:A:VAL:HG13	1:53:A:ASP:HA	4	1.52
(1,1562)	1:47:A:VAL:HG13	1:43:A:LYS:HB3	21	1.52
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	7	1.52
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	18	1.52
(1,1395)	1:5:A:VAL:HG12	1:7:A:GLU:H	20	1.52
(1,1395)	1:5:A:VAL:HG12	1:7:A:GLU:H	22	1.52
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	7	1.52
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	7	1.52
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	7	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	7	1.52
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	7	1.52
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	7	1.52
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	7	1.52
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	6	1.52
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	6	1.52
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	14	1.52
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	3	1.52
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	3	1.52
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	3	1.52
(1,746)	1:31:A:MET:HE2	1:49:A:LEU:HB3	16	1.52
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	10	1.52
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	2	1.52
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	21	1.52
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	25	1.52
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	1	1.52
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	9	1.52
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	9	1.52
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	9	1.52
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	21	1.52
(1,204)	1:75:A:ILE:HG13	1:72:A:ALA:H	16	1.52
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	4	1.52
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	4	1.52
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	4	1.52
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	15	1.52
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	15	1.52
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	15	1.52
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	17	1.52
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	17	1.52
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	17	1.52
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	21	1.52
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	21	1.52
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	21	1.52
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	22	1.52
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	22	1.52
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	22	1.52
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	23	1.52
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	23	1.52
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	23	1.52
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	25	1.52
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	25	1.52
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	25	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:5:A:VAL:HB	1:8:A:ASP:H	14	1.52
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	13	1.52
(3,2)	1:6:A:LYS:N	1:2:A:LYS:O	16	1.51
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD11	8	1.51
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD11	9	1.51
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	22	1.51
(1,1752)	1:34:A:LEU:HD11	1:31:A:MET:HE2	15	1.51
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD11	8	1.51
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD11	9	1.51
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	22	1.51
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG21	19	1.51
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG22	19	1.51
(1,1614)	1:39:A:ASP:H	1:41:A:THR:HG23	19	1.51
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	19	1.51
(1,1562)	1:47:A:VAL:HG12	1:43:A:LYS:HB3	7	1.51
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	8	1.51
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	13	1.51
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	16	1.51
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	21	1.51
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	19	1.51
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	19	1.51
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	19	1.51
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	19	1.51
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	19	1.51
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	19	1.51
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	19	1.51
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	19	1.51
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	19	1.51
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD11	22	1.51
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD12	22	1.51
(1,1254)	1:17:A:LEU:HD21	1:14:A:ILE:HD13	22	1.51
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD11	22	1.51
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD12	22	1.51
(1,1254)	1:17:A:LEU:HD22	1:14:A:ILE:HD13	22	1.51
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD11	22	1.51
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD12	22	1.51
(1,1254)	1:17:A:LEU:HD23	1:14:A:ILE:HD13	22	1.51
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	3	1.51
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	3	1.51
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	15	1.51
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	15	1.51
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	2	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	2	1.51
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	2	1.51
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	4	1.51
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	4	1.51
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	4	1.51
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	4	1.51
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	4	1.51
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	4	1.51
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB1	3	1.51
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB2	3	1.51
(1,940)	1:71:A:VAL:HG11	1:68:A:ALA:HB3	3	1.51
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB1	3	1.51
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB2	3	1.51
(1,940)	1:71:A:VAL:HG12	1:68:A:ALA:HB3	3	1.51
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB1	3	1.51
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB2	3	1.51
(1,940)	1:71:A:VAL:HG13	1:68:A:ALA:HB3	3	1.51
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	16	1.51
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	16	1.51
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	17	1.51
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	17	1.51
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	3	1.51
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	3	1.51
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	3	1.51
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	25	1.51
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	25	1.51
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	24	1.51
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	2	1.51
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	2	1.51
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	2	1.51
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	16	1.51
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	24	1.51
(1,453)	1:33:A:ALA:HB2	1:36:A:ASN:HD22	9	1.51
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	1	1.51
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	9	1.51
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	14	1.51
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	25	1.51
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	1	1.51
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	1	1.51
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	1	1.51
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	2	1.51
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	2	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	2	1.51
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	6	1.51
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	6	1.51
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	6	1.51
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	7	1.51
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	7	1.51
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	7	1.51
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	8	1.51
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	8	1.51
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	8	1.51
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	10	1.51
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	10	1.51
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	10	1.51
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	11	1.51
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	11	1.51
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	11	1.51
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	13	1.51
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	13	1.51
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	13	1.51
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	19	1.51
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	19	1.51
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	19	1.51
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	20	1.51
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE2	14	1.5
(1,1757)	1:69:A:GLU:HB3	1:14:A:ILE:HG13	13	1.5
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG11	10	1.5
(1,1562)	1:47:A:VAL:HG12	1:43:A:LYS:HB3	15	1.5
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB1	24	1.5
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	6	1.5
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	23	1.5
(1,1395)	1:5:A:VAL:HG12	1:7:A:GLU:H	21	1.5
(1,1395)	1:5:A:VAL:HG13	1:7:A:GLU:H	25	1.5
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	14	1.5
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	14	1.5
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	14	1.5
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	14	1.5
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	14	1.5
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	14	1.5
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	17	1.5
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	17	1.5
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	17	1.5
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	17	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	17	1.5
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	17	1.5
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	23	1.5
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	23	1.5
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	23	1.5
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	13	1.5
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	13	1.5
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	13	1.5
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	13	1.5
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	13	1.5
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	13	1.5
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	15	1.5
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	18	1.5
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	18	1.5
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	18	1.5
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	18	1.5
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	23	1.5
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	2	1.5
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	17	1.5
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	17	1.5
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	17	1.5
(1,289)	1:7:A:GLU:HG3	1:4:A:GLY:H	17	1.5
(1,244)	1:66:A:LYS:HG2	1:67:A:SER:H	16	1.5
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	3	1.5
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	3	1.5
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	3	1.5
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	5	1.5
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	5	1.5
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	5	1.5
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	12	1.5
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	12	1.5
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	12	1.5
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	14	1.5
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	14	1.5
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	14	1.5
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	16	1.5
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	16	1.5
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	16	1.5
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	20	1.5
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	20	1.5
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	20	1.5
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	24	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	24	1.5
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	24	1.5
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	9	1.5
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	22	1.5
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	2	1.5
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	4	1.5
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	9	1.5
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	23	1.5
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	4	1.5
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	4	1.5
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	4	1.5
(1,1778)	1:68:A:ALA:HB1	1:24:A:ILE:HG21	18	1.49
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	3	1.49
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB3	8	1.49
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	15	1.49
(1,1395)	1:5:A:VAL:HG13	1:7:A:GLU:H	15	1.49
(1,1395)	1:5:A:VAL:HG13	1:7:A:GLU:H	17	1.49
(1,1395)	1:76:A:VAL:HG12	1:7:A:GLU:H	23	1.49
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	9	1.49
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	9	1.49
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	9	1.49
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	9	1.49
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	9	1.49
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	9	1.49
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	9	1.49
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	9	1.49
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	9	1.49
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	5	1.49
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	24	1.49
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	24	1.49
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	18	1.49
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	24	1.49
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	24	1.49
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	11	1.49
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	11	1.49
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	11	1.49
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD2	11	1.49
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	19	1.49
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	19	1.49
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	19	1.49
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	22	1.49
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	22	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	22	1.49
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	23	1.49
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	23	1.49
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	23	1.49
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	22	1.49
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	24	1.49
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	3	1.49
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	3	1.49
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	3	1.49
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	1	1.49
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	1	1.49
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	1	1.49
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	1	1.49
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	1	1.49
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	1	1.49
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	1	1.49
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	6	1.49
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	6	1.49
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	6	1.49
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	6	1.49
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	15	1.49
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	15	1.49
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	15	1.49
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	15	1.49
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	19	1.49
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	15	1.49
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	17	1.49
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	13	1.49
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	12	1.49
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	20	1.49
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	20	1.49
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	20	1.49
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	20	1.49
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	20	1.49
(1,293)	1:6:A:LYS:HG2	1:4:A:GLY:H	22	1.49
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	7	1.49
(1,203)	1:5:A:VAL:HG21	1:6:A:LYS:H	9	1.49
(1,203)	1:5:A:VAL:HG22	1:6:A:LYS:H	9	1.49
(1,203)	1:5:A:VAL:HG23	1:6:A:LYS:H	9	1.49
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	9	1.49
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	9	1.49
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	23	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	5	1.48
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	1	1.48
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	8	1.48
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	1	1.48
(1,1543)	1:41:A:THR:HG22	1:39:A:ASP:HB2	9	1.48
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	9	1.48
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB1	14	1.48
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB2	18	1.48
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	4	1.48
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	9	1.48
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	22	1.48
(1,1395)	1:5:A:VAL:HG11	1:7:A:GLU:H	24	1.48
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	12	1.48
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	17	1.48
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	12	1.48
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	12	1.48
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	12	1.48
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	11	1.48
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	13	1.48
(1,888)	1:66:A:LYS:HG3	1:67:A:SER:HA	10	1.48
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	2	1.48
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	14	1.48
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	14	1.48
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	14	1.48
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	15	1.48
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	15	1.48
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	20	1.48
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	20	1.48
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	20	1.48
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	10	1.48
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	10	1.48
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	10	1.48
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	10	1.48
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	10	1.48
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	10	1.48
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	10	1.48
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	10	1.48
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	10	1.48
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	12	1.48
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	12	1.48
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	12	1.48
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	12	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	14	1.48
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	14	1.48
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	14	1.48
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	14	1.48
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	14	1.48
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	14	1.48
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	2	1.48
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	2	1.48
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	2	1.48
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB1	9	1.48
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB2	9	1.48
(1,508)	1:52:A:SER:H	1:79:A:ALA:HB3	9	1.48
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	3	1.48
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	5	1.48
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	6	1.48
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	11	1.48
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	17	1.48
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	22	1.48
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	10	1.48
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	14	1.48
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	7	1.48
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	7	1.48
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	21	1.48
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	3	1.47
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE2	10	1.47
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG23	9	1.47
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	6	1.47
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	6	1.47
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	6	1.47
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	25	1.47
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	25	1.47
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	25	1.47
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	3	1.47
(1,1722)	1:30:A:LEU:HD22	1:24:A:ILE:HG13	4	1.47
(1,1395)	1:5:A:VAL:HG11	1:7:A:GLU:H	16	1.47
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	24	1.47
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	24	1.47
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	24	1.47
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	24	1.47
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	24	1.47
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	24	1.47
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	24	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	24	1.47
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	24	1.47
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	8	1.47
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	8	1.47
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	8	1.47
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	8	1.47
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	8	1.47
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	8	1.47
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	8	1.47
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	8	1.47
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	8	1.47
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	22	1.47
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	1	1.47
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	1	1.47
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	1	1.47
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	1	1.47
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	1	1.47
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	1	1.47
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	1	1.47
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	1	1.47
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	1	1.47
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	3	1.47
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	3	1.47
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	3	1.47
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	25	1.47
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	25	1.47
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	25	1.47
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	4	1.47
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	4	1.47
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	4	1.47
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	4	1.47
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	4	1.47
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	4	1.47
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	4	1.47
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	4	1.47
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	4	1.47
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	21	1.47
(1,922)	1:13:A:ILE:HD12	1:10:A:ARG:HB2	11	1.47
(1,888)	1:66:A:LYS:HG3	1:67:A:SER:HA	6	1.47
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	7	1.47
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	7	1.47
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	7	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:28:A:GLU:H	1:25:A:ASN:HA	16	1.47
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	14	1.47
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	14	1.47
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	14	1.47
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	24	1.47
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	24	1.47
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	24	1.47
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	5	1.47
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	9	1.47
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	25	1.47
(1,186)	1:41:A:THR:H	1:37:A:GLY:H	2	1.47
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	10	1.47
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	19	1.47
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	3	1.46
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	20	1.46
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	20	1.46
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	20	1.46
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	18	1.46
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	3	1.46
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	23	1.46
(1,1562)	1:47:A:VAL:HG12	1:43:A:LYS:HB3	9	1.46
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB1	20	1.46
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	2	1.46
(1,1395)	1:5:A:VAL:HG11	1:7:A:GLU:H	2	1.46
(1,1395)	1:5:A:VAL:HG13	1:7:A:GLU:H	8	1.46
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	19	1.46
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	13	1.46
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	21	1.46
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	6	1.46
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	16	1.46
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	16	1.46
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	16	1.46
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	16	1.46
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	16	1.46
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	16	1.46
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	16	1.46
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	16	1.46
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	16	1.46
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	15	1.46
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	15	1.46
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	23	1.46
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	5	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	6	1.46
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	6	1.46
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	6	1.46
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	15	1.46
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	15	1.46
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	15	1.46
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	24	1.46
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	24	1.46
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	24	1.46
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	10	1.46
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	10	1.46
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	10	1.46
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	23	1.46
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	23	1.46
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	23	1.46
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	5	1.46
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	5	1.46
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	5	1.46
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	5	1.46
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	24	1.46
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	24	1.46
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	24	1.46
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	24	1.46
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	1	1.46
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	22	1.46
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	6	1.46
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	11	1.46
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	16	1.46
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	20	1.46
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	24	1.46
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	15	1.46
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	15	1.46
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	15	1.46
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE1	4	1.45
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD13	21	1.45
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD13	21	1.45
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	17	1.45
(1,1562)	1:47:A:VAL:HG12	1:43:A:LYS:HB3	5	1.45
(1,1562)	1:47:A:VAL:HG13	1:43:A:LYS:HB3	17	1.45
(1,1543)	1:41:A:THR:HG23	1:39:A:ASP:HB2	15	1.45
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB2	23	1.45
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	12	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	16	1.45
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	18	1.45
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	18	1.45
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	18	1.45
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	18	1.45
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	18	1.45
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	18	1.45
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	22	1.45
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	22	1.45
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	22	1.45
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	22	1.45
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	22	1.45
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	22	1.45
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	13	1.45
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	13	1.45
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	13	1.45
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	13	1.45
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	13	1.45
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	13	1.45
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	13	1.45
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	13	1.45
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	13	1.45
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	18	1.45
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	18	1.45
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	9	1.45
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	9	1.45
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	9	1.45
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	19	1.45
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	19	1.45
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	19	1.45
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	19	1.45
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	13	1.45
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	13	1.45
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	13	1.45
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	13	1.45
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	13	1.45
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	13	1.45
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	13	1.45
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	13	1.45
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	13	1.45
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	18	1.45
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	18	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	18	1.45
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	19	1.45
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	19	1.45
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	19	1.45
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	4	1.45
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	4	1.45
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	4	1.45
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	8	1.45
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	8	1.45
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	8	1.45
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	13	1.45
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	13	1.45
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	13	1.45
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	14	1.45
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	14	1.45
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	14	1.45
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	17	1.45
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	17	1.45
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	17	1.45
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	6	1.45
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	6	1.45
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	6	1.45
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	7	1.45
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	7	1.45
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	7	1.45
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	4	1.45
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	4	1.45
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	4	1.45
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	4	1.45
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	8	1.45
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	8	1.45
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	8	1.45
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	8	1.45
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	10	1.45
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	10	1.45
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	10	1.45
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	10	1.45
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	23	1.45
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	23	1.45
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	23	1.45
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	23	1.45
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	8	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	20	1.45
(1,337)	1:22:A:PHE:HB3	1:25:A:ASN:HD21	22	1.45
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	15	1.45
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	15	1.45
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	15	1.45
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	25	1.45
(1,166)	1:77:A:ASN:HB2	1:75:A:ILE:H	11	1.45
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	1	1.45
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	11	1.45
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	25	1.45
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	25	1.45
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	25	1.45
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	20	1.44
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG23	24	1.44
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	5	1.44
(1,1562)	1:47:A:VAL:HG12	1:43:A:LYS:HB3	2	1.44
(1,1562)	1:47:A:VAL:HG11	1:43:A:LYS:HB3	8	1.44
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	1	1.44
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	7	1.44
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	24	1.44
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	7	1.44
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	7	1.44
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	7	1.44
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	7	1.44
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	7	1.44
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	7	1.44
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	7	1.44
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	7	1.44
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	7	1.44
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	11	1.44
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	11	1.44
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	11	1.44
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	11	1.44
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	11	1.44
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	11	1.44
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	11	1.44
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	11	1.44
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	11	1.44
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	6	1.44
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	11	1.44
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	16	1.44
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	17	1.44
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	17	1.44
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	3	1.44
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	3	1.44
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	3	1.44
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	1	1.44
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	1	1.44
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	1	1.44
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	16	1.44
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	16	1.44
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	16	1.44
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	16	1.44
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	16	1.44
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	16	1.44
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	16	1.44
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	16	1.44
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	16	1.44
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	25	1.44
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	25	1.44
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	25	1.44
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	25	1.44
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	25	1.44
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	25	1.44
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	25	1.44
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	25	1.44
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	25	1.44
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	21	1.44
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	21	1.44
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	21	1.44
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	5	1.44
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	5	1.44
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	5	1.44
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	10	1.44
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	10	1.44
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	10	1.44
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	11	1.44
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	11	1.44
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	11	1.44
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	12	1.44
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	12	1.44
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	12	1.44
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	18	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	18	1.44
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	18	1.44
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	23	1.44
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	23	1.44
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	23	1.44
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	7	1.44
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	7	1.44
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	7	1.44
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	7	1.44
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	7	1.44
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	7	1.44
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	7	1.44
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	7	1.44
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	7	1.44
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	19	1.44
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	19	1.44
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	19	1.44
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	9	1.44
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	9	1.44
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	9	1.44
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	9	1.44
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	25	1.44
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	25	1.44
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	25	1.44
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	25	1.44
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	8	1.44
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	6	1.44
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	16	1.44
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	16	1.44
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	20	1.44
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	8	1.44
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	8	1.44
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	8	1.44
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	23	1.44
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	25	1.44
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	24	1.44
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	24	1.44
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	24	1.44
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	12	1.43
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD13	20	1.43
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	24	1.43
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	24	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	24	1.43
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	24	1.43
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD13	20	1.43
(1,1562)	1:47:A:VAL:HG11	1:43:A:LYS:HB3	10	1.43
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	9	1.43
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	4	1.43
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	7	1.43
(1,1396)	1:81:A:LEU:HD13	1:7:A:GLU:H	12	1.43
(1,1395)	1:5:A:VAL:HG12	1:7:A:GLU:H	4	1.43
(1,1395)	1:5:A:VAL:HG12	1:7:A:GLU:H	11	1.43
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	3	1.43
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	1	1.43
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	12	1.43
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	12	1.43
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	12	1.43
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	12	1.43
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	12	1.43
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	12	1.43
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	12	1.43
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	12	1.43
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	12	1.43
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	13	1.43
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	13	1.43
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	13	1.43
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	3	1.43
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	7	1.43
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	7	1.43
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	7	1.43
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	9	1.43
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	9	1.43
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	9	1.43
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	19	1.43
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	19	1.43
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	19	1.43
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	21	1.43
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	21	1.43
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	21	1.43
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	20	1.43
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	20	1.43
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	20	1.43
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	20	1.43
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	21	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	21	1.43
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	21	1.43
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	21	1.43
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	12	1.43
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	7	1.43
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	18	1.43
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	19	1.43
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	16	1.43
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	17	1.43
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	12	1.43
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	14	1.43
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	14	1.43
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	3	1.43
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	14	1.43
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	20	1.43
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	6	1.43
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	6	1.43
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	6	1.43
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	7	1.42
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	14	1.42
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG23	4	1.42
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	18	1.42
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	18	1.42
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	18	1.42
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	24	1.42
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	7	1.42
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	14	1.42
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG11	19	1.42
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	3	1.42
(1,1465)	1:62:A:ASP:HB2	1:26:A:SER:H	20	1.42
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	19	1.42
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	18	1.42
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	18	1.42
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	18	1.42
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	18	1.42
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	18	1.42
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	18	1.42
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	18	1.42
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	18	1.42
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	18	1.42
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	20	1.42
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	25	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	13	1.42
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	13	1.42
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	13	1.42
(1,922)	1:13:A:ILE:HD12	1:10:A:ARG:HB2	6	1.42
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	1	1.42
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	1	1.42
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	2	1.42
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	9	1.42
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	21	1.42
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	3	1.42
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	3	1.42
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	3	1.42
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	4	1.42
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	4	1.42
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	4	1.42
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	7	1.42
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	7	1.42
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	7	1.42
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	13	1.42
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	13	1.42
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	13	1.42
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	7	1.42
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	7	1.42
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	7	1.42
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	7	1.42
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	13	1.42
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	13	1.42
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	13	1.42
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	13	1.42
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	18	1.42
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	18	1.42
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	18	1.42
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	18	1.42
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	5	1.42
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	12	1.42
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	21	1.42
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	18	1.42
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	24	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	4	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	5	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	6	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	8	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	10	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	13	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	14	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	15	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	17	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	18	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	23	1.42
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	24	1.42
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	25	1.42
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	25	1.42
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	25	1.42
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	7	1.42
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	14	1.42
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	23	1.42
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	12	1.41
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	12	1.41
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	12	1.41
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	19	1.41
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	4	1.41
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	18	1.41
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	4	1.41
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	6	1.41
(1,1569)	1:79:A:ALA:HB1	1:80:A:GLY:HA2	22	1.41
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB2	3	1.41
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB2	15	1.41
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	13	1.41
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	5	1.41
(1,1395)	1:5:A:VAL:HG11	1:7:A:GLU:H	5	1.41
(1,1395)	1:5:A:VAL:HG11	1:7:A:GLU:H	9	1.41
(1,1395)	1:5:A:VAL:HG12	1:7:A:GLU:H	10	1.41
(1,1395)	1:5:A:VAL:HG13	1:7:A:GLU:H	13	1.41
(1,1395)	1:5:A:VAL:HG13	1:7:A:GLU:H	19	1.41
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	13	1.41
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	7	1.41
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	7	1.41
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	7	1.41
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	7	1.41
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	7	1.41
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	7	1.41
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	24	1.41
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	2	1.41
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	5	1.41
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	3	1.41
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	3	1.41
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	3	1.41
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	3	1.41
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	3	1.41
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	3	1.41
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	3	1.41
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	3	1.41
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	3	1.41
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	6	1.41
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	6	1.41
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	6	1.41
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	6	1.41
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	6	1.41
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	6	1.41
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	6	1.41
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	6	1.41
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	6	1.41
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	12	1.41
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	12	1.41
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	12	1.41
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	12	1.41
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	12	1.41
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	12	1.41
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	12	1.41
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	12	1.41
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	12	1.41
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	23	1.41
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	3	1.41
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	5	1.41
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	20	1.41
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	22	1.41
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	11	1.41
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	11	1.41
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	11	1.41
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	8	1.41
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	8	1.41
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	8	1.41
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	4	1.41
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	9	1.41
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	18	1.41
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	19	1.41
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	20	1.41
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	22	1.41
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	23	1.41
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	1	1.41
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	7	1.41
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	11	1.41
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	12	1.41
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	19	1.41
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	21	1.41
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	22	1.41
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	6	1.41
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	6	1.41
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	6	1.41
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	24	1.41
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	11	1.41
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	2	1.41
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	18	1.41
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD13	15	1.4
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	1	1.4
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG22	7	1.4
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	2	1.4
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	2	1.4
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	2	1.4
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	12	1.4
(1,1562)	1:47:A:VAL:HG13	1:43:A:LYS:HB3	25	1.4
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	21	1.4
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	3	1.4
(1,1395)	1:5:A:VAL:HG11	1:7:A:GLU:H	1	1.4
(1,1395)	1:5:A:VAL:HG12	1:7:A:GLU:H	7	1.4
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	22	1.4
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD21	20	1.4
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD22	20	1.4
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD23	20	1.4
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD21	20	1.4
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD22	20	1.4
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD23	20	1.4
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	24	1.4
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	24	1.4
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	3	1.4
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	3	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	3	1.4
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	3	1.4
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	3	1.4
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	3	1.4
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	2	1.4
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	4	1.4
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	20	1.4
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	11	1.4
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	11	1.4
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	11	1.4
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	11	1.4
(1,455)	1:33:A:ALA:HA	1:36:A:ASN:HD22	5	1.4
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	10	1.4
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	5	1.4
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	24	1.4
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	7	1.4
(1,328)	1:58:A:LEU:HA	1:60:A:ALA:H	3	1.4
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	8	1.4
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	18	1.4
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	14	1.4
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	7	1.4
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	16	1.4
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE2	23	1.39
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	3	1.39
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	14	1.39
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	14	1.39
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	14	1.39
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG23	9	1.39
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG23	20	1.39
(1,1643)	1:7:A:GLU:HG3	1:10:A:ARG:HD2	11	1.39
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG13	7	1.39
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	9	1.39
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	14	1.39
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	25	1.39
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	19	1.39
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	19	1.39
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	19	1.39
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	19	1.39
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	19	1.39
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	19	1.39
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	19	1.39
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	25	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	25	1.39
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	25	1.39
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	25	1.39
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	25	1.39
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	25	1.39
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	25	1.39
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	25	1.39
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	25	1.39
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	23	1.39
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	23	1.39
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	23	1.39
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	2	1.39
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	2	1.39
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	2	1.39
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	2	1.39
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	2	1.39
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	2	1.39
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	2	1.39
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	2	1.39
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	2	1.39
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	14	1.39
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	14	1.39
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	14	1.39
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	19	1.39
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	19	1.39
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	11	1.39
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	11	1.39
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	11	1.39
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	22	1.39
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	22	1.39
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	22	1.39
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	1	1.39
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	22	1.39
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	22	1.39
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	22	1.39
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	2	1.39
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	2	1.39
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	2	1.39
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	2	1.39
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	14	1.39
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	14	1.39
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	14	1.39
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	7	1.39
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	8	1.39
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	4	1.39
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	12	1.39
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	4	1.39
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	5	1.39
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	23	1.39
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	22	1.39
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	5	1.39
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	5	1.39
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	5	1.39
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	6	1.38
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	8	1.38
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	4	1.38
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	4	1.38
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	4	1.38
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	7	1.38
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	7	1.38
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	7	1.38
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG22	1	1.38
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	6	1.38
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	1	1.38
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	13	1.38
(1,1567)	1:57:A:VAL:HG13	1:53:A:ASP:HA	22	1.38
(1,1562)	1:47:A:VAL:HG11	1:43:A:LYS:HB3	12	1.38
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	1	1.38
(1,1395)	1:5:A:VAL:HG12	1:7:A:GLU:H	6	1.38
(1,1395)	1:5:A:VAL:HG13	1:7:A:GLU:H	12	1.38
(1,1395)	1:76:A:VAL:HG12	1:7:A:GLU:H	18	1.38
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	16	1.38
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	2	1.38
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	2	1.38
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	20	1.38
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	20	1.38
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	20	1.38
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	20	1.38
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	20	1.38
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	20	1.38
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	20	1.38
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	20	1.38
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	20	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	18	1.38
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	18	1.38
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	18	1.38
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	18	1.38
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	18	1.38
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	18	1.38
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	7	1.38
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	7	1.38
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	7	1.38
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	7	1.38
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	7	1.38
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	7	1.38
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	7	1.38
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	7	1.38
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	7	1.38
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	5	1.38
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	5	1.38
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	5	1.38
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	20	1.38
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	20	1.38
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	20	1.38
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	1	1.38
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	1	1.38
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	1	1.38
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	1	1.38
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	1	1.38
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	1	1.38
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	1	1.38
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	1	1.38
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	1	1.38
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	18	1.38
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	18	1.38
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	18	1.38
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	18	1.38
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	18	1.38
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	18	1.38
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	25	1.38
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	25	1.38
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	25	1.38
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	20	1.38
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	20	1.38
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	20	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	1	1.38
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	19	1.38
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	25	1.38
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	25	1.38
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	13	1.38
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	23	1.38
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	19	1.38
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	19	1.38
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	19	1.38
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	19	1.38
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	7	1.38
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	15	1.38
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	22	1.38
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	4	1.38
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	8	1.38
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	15	1.38
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	24	1.38
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	24	1.38
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	24	1.38
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	16	1.38
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	12	1.38
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	23	1.38
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	2	1.37
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG23	14	1.37
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG23	9	1.37
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	2	1.37
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB1	7	1.37
(1,1467)	1:33:A:ALA:HB2	1:36:A:ASN:HD21	9	1.37
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	12	1.37
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	18	1.37
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	23	1.37
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	4	1.37
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	15	1.37
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	8	1.37
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	8	1.37
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	20	1.37
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	20	1.37
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	23	1.37
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	23	1.37
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	5	1.37
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	5	1.37
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	5	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	5	1.37
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	5	1.37
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	5	1.37
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	5	1.37
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	5	1.37
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	5	1.37
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	4	1.37
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	4	1.37
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	4	1.37
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	23	1.37
(1,922)	1:13:A:ILE:HD12	1:10:A:ARG:HB2	21	1.37
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	4	1.37
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	14	1.37
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	8	1.37
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	10	1.37
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	13	1.37
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	16	1.37
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	14	1.37
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	14	1.37
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	14	1.37
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	3	1.37
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	3	1.37
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	3	1.37
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	3	1.37
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	5	1.37
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	25	1.37
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	3	1.37
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	14	1.37
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	19	1.37
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	24	1.37
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	10	1.36
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	10	1.36
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	10	1.36
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	12	1.36
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB3	19	1.36
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	16	1.36
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	2	1.36
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	8	1.36
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	17	1.36
(1,1395)	1:5:A:VAL:HG12	1:7:A:GLU:H	3	1.36
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	9	1.36
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	9	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	22	1.36
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	22	1.36
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	22	1.36
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	1	1.36
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	1	1.36
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	4	1.36
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	4	1.36
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	6	1.36
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	6	1.36
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	15	1.36
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	15	1.36
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	11	1.36
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	11	1.36
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	11	1.36
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	11	1.36
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	11	1.36
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	11	1.36
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	11	1.36
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	11	1.36
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	11	1.36
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	21	1.36
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	21	1.36
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	21	1.36
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	21	1.36
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	21	1.36
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	21	1.36
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	21	1.36
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	21	1.36
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	21	1.36
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	13	1.36
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	13	1.36
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	13	1.36
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	10	1.36
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	10	1.36
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	10	1.36
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	2	1.36
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	2	1.36
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	2	1.36
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	2	1.36
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	2	1.36
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	2	1.36
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	4	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	4	1.36
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	4	1.36
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	4	1.36
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	4	1.36
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	4	1.36
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB3	2	1.36
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB3	2	1.36
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	18	1.36
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	18	1.36
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	18	1.36
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	17	1.36
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	21	1.36
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	23	1.36
(1,624)	1:60:A:ALA:HB1	1:58:A:LEU:HA	16	1.36
(1,624)	1:60:A:ALA:HB2	1:58:A:LEU:HA	16	1.36
(1,624)	1:60:A:ALA:HB3	1:58:A:LEU:HA	16	1.36
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	9	1.36
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	17	1.36
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	4	1.36
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	1	1.36
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	17	1.36
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	25	1.35
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD11	13	1.35
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	1	1.35
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	1	1.35
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	1	1.35
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	11	1.35
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	11	1.35
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	11	1.35
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	23	1.35
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	23	1.35
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	23	1.35
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	23	1.35
(1,1722)	1:30:A:LEU:HD21	1:24:A:ILE:HG13	23	1.35
(1,1695)	1:68:A:ALA:HB1	1:71:A:VAL:HG21	18	1.35
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD11	13	1.35
(1,1567)	1:57:A:VAL:HG12	1:53:A:ASP:HA	21	1.35
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	10	1.35
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	13	1.35
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	25	1.35
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	17	1.35
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	17	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	17	1.35
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	17	1.35
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	17	1.35
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	17	1.35
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	17	1.35
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	17	1.35
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	17	1.35
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	13	1.35
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	13	1.35
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	3	1.35
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	3	1.35
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	9	1.35
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	9	1.35
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	13	1.35
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	13	1.35
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	16	1.35
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	16	1.35
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	20	1.35
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	20	1.35
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	20	1.35
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	20	1.35
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	20	1.35
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	20	1.35
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	6	1.35
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	6	1.35
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	6	1.35
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	20	1.35
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	20	1.35
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	20	1.35
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	16	1.35
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	16	1.35
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	16	1.35
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	1	1.35
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	1	1.35
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	1	1.35
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	4	1.35
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	4	1.35
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	4	1.35
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	2	1.35
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	2	1.35
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	2	1.35
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	17	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	17	1.35
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	17	1.35
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	17	1.35
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	17	1.35
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	17	1.35
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	17	1.35
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	17	1.35
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	17	1.35
(1,922)	1:13:A:ILE:HD11	1:10:A:ARG:HB2	18	1.35
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	13	1.35
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	13	1.35
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	13	1.35
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	13	1.35
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	13	1.35
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	13	1.35
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	10	1.35
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	9	1.35
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	9	1.35
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	9	1.35
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	11	1.35
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	11	1.35
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	11	1.35
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	25	1.35
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	14	1.35
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	14	1.35
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	16	1.35
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	16	1.35
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	16	1.35
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	1	1.35
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	11	1.35
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	7	1.35
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	15	1.35
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	23	1.34
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD11	20	1.34
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG23	16	1.34
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG23	9	1.34
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	6	1.34
(1,1695)	1:68:A:ALA:HB1	1:71:A:VAL:HG23	2	1.34
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG22	13	1.34
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	23	1.34
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	7	1.34
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	15	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1567)	1:57:A:VAL:HG12	1:53:A:ASP:HA	1	1.34
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	6	1.34
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	11	1.34
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	15	1.34
(1,1396)	1:81:A:LEU:HD13	1:7:A:GLU:H	13	1.34
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	7	1.34
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	7	1.34
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	8	1.34
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	8	1.34
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	18	1.34
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	18	1.34
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	6	1.34
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	6	1.34
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	6	1.34
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	6	1.34
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	6	1.34
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	6	1.34
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	6	1.34
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	6	1.34
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	6	1.34
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD11	8	1.34
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD12	8	1.34
(1,1128)	1:69:A:GLU:HA	1:75:A:ILE:HD13	8	1.34
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	2	1.34
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	8	1.34
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	14	1.34
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	14	1.34
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	14	1.34
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	14	1.34
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	14	1.34
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	14	1.34
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	14	1.34
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	14	1.34
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	14	1.34
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	6	1.34
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	6	1.34
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	6	1.34
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	19	1.34
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	19	1.34
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	19	1.34
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	19	1.34
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	19	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	19	1.34
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	19	1.34
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	19	1.34
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	19	1.34
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	8	1.34
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	8	1.34
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	8	1.34
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	8	1.34
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	8	1.34
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	8	1.34
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	8	1.34
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	8	1.34
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	8	1.34
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	15	1.34
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	15	1.34
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	15	1.34
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	15	1.34
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	15	1.34
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	15	1.34
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	15	1.34
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	15	1.34
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	15	1.34
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	12	1.34
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	10	1.34
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	10	1.34
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	10	1.34
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	10	1.34
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	10	1.34
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	10	1.34
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	23	1.34
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	23	1.34
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	23	1.34
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	23	1.34
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	23	1.34
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	23	1.34
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	11	1.34
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	14	1.34
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	14	1.34
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	14	1.34
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	6	1.34
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	15	1.34
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	2	1.34
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	12	1.34
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	15	1.34
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	24	1.34
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	14	1.34
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	11	1.34
(1,289)	1:7:A:GLU:HG3	1:4:A:GLY:H	15	1.34
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	8	1.34
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	8	1.34
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	8	1.34
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	2	1.34
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	23	1.34
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	5	1.34
(1,1815)	1:68:A:ALA:HA	1:65:A:PHE:HE2	18	1.33
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	24	1.33
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD11	8	1.33
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	16	1.33
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	16	1.33
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	16	1.33
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	23	1.33
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	8	1.33
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	23	1.33
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB1	21	1.33
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	1	1.33
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	1	1.33
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	1	1.33
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	1	1.33
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	1	1.33
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	1	1.33
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	1	1.33
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	1	1.33
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	1	1.33
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	9	1.33
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	9	1.33
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	9	1.33
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	9	1.33
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	9	1.33
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	9	1.33
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	9	1.33
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	9	1.33
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	9	1.33
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	12	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	12	1.33
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	12	1.33
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	12	1.33
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	12	1.33
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	12	1.33
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	12	1.33
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	12	1.33
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	12	1.33
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	15	1.33
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	15	1.33
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	15	1.33
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	12	1.33
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	12	1.33
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	24	1.33
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	24	1.33
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	18	1.33
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	18	1.33
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	18	1.33
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	18	1.33
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	18	1.33
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	18	1.33
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	18	1.33
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	18	1.33
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	18	1.33
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	14	1.33
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	14	1.33
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	14	1.33
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	10	1.33
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	10	1.33
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	10	1.33
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	10	1.33
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	10	1.33
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	10	1.33
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	10	1.33
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	10	1.33
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	10	1.33
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	25	1.33
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	25	1.33
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	25	1.33
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	19	1.33
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	19	1.33
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	19	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	19	1.33
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	19	1.33
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	19	1.33
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	19	1.33
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	19	1.33
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	19	1.33
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	21	1.33
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	21	1.33
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	21	1.33
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	21	1.33
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	21	1.33
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	21	1.33
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	21	1.33
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	21	1.33
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	21	1.33
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	12	1.33
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	12	1.33
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	12	1.33
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	12	1.33
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	12	1.33
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	12	1.33
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	1	1.33
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	1	1.33
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	1	1.33
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	1	1.33
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	1	1.33
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	1	1.33
(1,762)	1:67:A:SER:H	1:64:A:PRO:HB3	24	1.33
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	12	1.33
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	16	1.33
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	8	1.33
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	8	1.33
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	8	1.33
(1,458)	1:48:A:GLU:HB3	1:46:A:ASP:H	13	1.33
(1,397)	1:64:A:PRO:HB2	1:67:A:SER:H	23	1.33
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	10	1.33
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	3	1.33
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	11	1.33
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	14	1.33
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	19	1.33
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	25	1.33
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	17	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	7	1.33
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	7	1.33
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	7	1.33
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	17	1.32
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	11	1.32
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD11	17	1.32
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	25	1.32
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	2	1.32
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG23	4	1.32
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	13	1.32
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	11	1.32
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD11	17	1.32
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	25	1.32
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG11	14	1.32
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	5	1.32
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	14	1.32
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	3	1.32
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	10	1.32
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	21	1.32
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	22	1.32
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	24	1.32
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	10	1.32
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	4	1.32
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	7	1.32
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	11	1.32
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	11	1.32
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	17	1.32
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	17	1.32
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	17	1.32
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	17	1.32
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	17	1.32
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	17	1.32
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	24	1.32
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	24	1.32
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	24	1.32
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	24	1.32
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	24	1.32
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	24	1.32
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	18	1.32
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	18	1.32
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	18	1.32
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	15	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	15	1.32
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	15	1.32
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	24	1.32
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	24	1.32
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	24	1.32
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	24	1.32
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	24	1.32
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	24	1.32
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	24	1.32
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	24	1.32
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	24	1.32
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	13	1.32
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	13	1.32
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	13	1.32
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	13	1.32
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	13	1.32
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	13	1.32
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	13	1.32
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	13	1.32
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	13	1.32
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	14	1.32
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	14	1.32
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB1	2	1.32
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB2	2	1.32
(1,568)	1:75:A:ILE:HG21	1:51:A:ALA:HB3	2	1.32
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB1	2	1.32
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB2	2	1.32
(1,568)	1:75:A:ILE:HG22	1:51:A:ALA:HB3	2	1.32
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB1	2	1.32
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB2	2	1.32
(1,568)	1:75:A:ILE:HG23	1:51:A:ALA:HB3	2	1.32
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	17	1.32
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	17	1.32
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	17	1.32
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	5	1.32
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	7	1.32
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	12	1.32
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	16	1.32
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	16	1.32
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	24	1.32
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	24	1.32
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	24	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	25	1.32
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	25	1.32
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	25	1.32
(1,244)	1:66:A:LYS:HG3	1:67:A:SER:H	10	1.32
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	15	1.32
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	1	1.32
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	4	1.32
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	21	1.32
(1,91)	1:12:A:GLN:HB3	1:9:A:ILE:H	20	1.32
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	20	1.32
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	1	1.31
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	6	1.31
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	5	1.31
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	5	1.31
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	5	1.31
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	9	1.31
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	9	1.31
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	9	1.31
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	13	1.31
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	13	1.31
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	13	1.31
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG23	7	1.31
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG22	21	1.31
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG12	4	1.31
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	10	1.31
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	21	1.31
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	23	1.31
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB2	11	1.31
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	20	1.31
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	16	1.31
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	16	1.31
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	16	1.31
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	16	1.31
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	16	1.31
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	16	1.31
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	16	1.31
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	16	1.31
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	16	1.31
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	3	1.31
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	5	1.31
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	5	1.31
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	19	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	19	1.31
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	25	1.31
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	25	1.31
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	2	1.31
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	2	1.31
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	2	1.31
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	2	1.31
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	2	1.31
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	2	1.31
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	15	1.31
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	15	1.31
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	15	1.31
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	15	1.31
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	15	1.31
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	15	1.31
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	3	1.31
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	10	1.31
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	10	1.31
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	10	1.31
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	12	1.31
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	12	1.31
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	12	1.31
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	8	1.31
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	8	1.31
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	8	1.31
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	25	1.31
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	25	1.31
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	25	1.31
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	7	1.31
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	7	1.31
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	7	1.31
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	7	1.31
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	7	1.31
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	7	1.31
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	23	1.31
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	23	1.31
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	23	1.31
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	23	1.31
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	23	1.31
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	23	1.31
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	25	1.31
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	25	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	25	1.31
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	25	1.31
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	25	1.31
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	25	1.31
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	11	1.31
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	11	1.31
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	11	1.31
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	11	1.31
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	11	1.31
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	11	1.31
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	11	1.31
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	11	1.31
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	11	1.31
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	19	1.31
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	19	1.31
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	19	1.31
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	19	1.31
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	19	1.31
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	19	1.31
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	21	1.31
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	21	1.31
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	21	1.31
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	1	1.31
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	1	1.31
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	1	1.31
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB2	22	1.31
(1,529)	1:22:A:PHE:HE1	1:17:A:LEU:HB3	22	1.31
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB2	22	1.31
(1,529)	1:22:A:PHE:HE2	1:17:A:LEU:HB3	22	1.31
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG21	12	1.31
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG22	12	1.31
(1,526)	1:37:A:GLY:HA2	1:40:A:THR:HG23	12	1.31
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG21	12	1.31
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG22	12	1.31
(1,526)	1:37:A:GLY:HA3	1:40:A:THR:HG23	12	1.31
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	3	1.31
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	23	1.31
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	23	1.31
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	23	1.31
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	11	1.31
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	11	1.31
(1,244)	1:66:A:LYS:HG3	1:67:A:SER:H	6	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	15	1.31
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	15	1.31
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	20	1.31
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	20	1.31
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	2	1.31
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	20	1.31
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	20	1.31
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	20	1.31
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	11	1.31
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	7	1.31
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	24	1.31
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	24	1.31
(1,53)	1:41:A:THR:HG21	1:39:A:ASP:H	19	1.31
(1,53)	1:41:A:THR:HG22	1:39:A:ASP:H	19	1.31
(1,53)	1:41:A:THR:HG23	1:39:A:ASP:H	19	1.31
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	16	1.3
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD13	15	1.3
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD11	18	1.3
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	1	1.3
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG22	7	1.3
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	2	1.3
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD13	15	1.3
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD11	18	1.3
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	18	1.3
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	24	1.3
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	4	1.3
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	17	1.3
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	24	1.3
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	2	1.3
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	2	1.3
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	2	1.3
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	2	1.3
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	2	1.3
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	2	1.3
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	2	1.3
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	2	1.3
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	2	1.3
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	24	1.3
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	24	1.3
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	24	1.3
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	11	1.3
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	12	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	17	1.3
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	17	1.3
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	9	1.3
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	9	1.3
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	9	1.3
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	9	1.3
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	9	1.3
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	9	1.3
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	12	1.3
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	12	1.3
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	12	1.3
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	12	1.3
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	12	1.3
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	12	1.3
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	13	1.3
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	13	1.3
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	13	1.3
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	13	1.3
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	13	1.3
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	13	1.3
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	19	1.3
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	19	1.3
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	19	1.3
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	19	1.3
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	19	1.3
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	19	1.3
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	14	1.3
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	3	1.3
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	3	1.3
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	3	1.3
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	3	1.3
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	3	1.3
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	3	1.3
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	13	1.3
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	13	1.3
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	13	1.3
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	13	1.3
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	13	1.3
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	13	1.3
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	17	1.3
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	17	1.3
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	17	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	17	1.3
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	17	1.3
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	17	1.3
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	18	1.3
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	18	1.3
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	18	1.3
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	18	1.3
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	18	1.3
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	18	1.3
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	7	1.3
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	7	1.3
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	7	1.3
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	7	1.3
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	7	1.3
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	7	1.3
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	7	1.3
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	7	1.3
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	7	1.3
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	23	1.3
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	23	1.3
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	23	1.3
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	23	1.3
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	23	1.3
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	23	1.3
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	1	1.3
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	12	1.3
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	20	1.3
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	22	1.3
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	22	1.3
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	24	1.3
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	24	1.3
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	24	1.3
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	21	1.3
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	14	1.3
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	3	1.3
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	5	1.3
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	8	1.3
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	13	1.3
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	2	1.3
(1,45)	1:18:A:ALA:HB1	1:15:A:GLY:H	19	1.3
(1,45)	1:18:A:ALA:HB2	1:15:A:GLY:H	19	1.3
(1,45)	1:18:A:ALA:HB3	1:15:A:GLY:H	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:22:A:PHE:HE2	1:64:A:PRO:HD3	22	1.29
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD13	9	1.29
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG22	8	1.29
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	20	1.29
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	25	1.29
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB2	2	1.29
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	17	1.29
(1,1444)	1:13:A:ILE:HG22	1:71:A:VAL:H	22	1.29
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	14	1.29
(1,1396)	1:81:A:LEU:HD11	1:7:A:GLU:H	19	1.29
(1,1309)	1:34:A:LEU:HD11	1:31:A:MET:HE2	2	1.29
(1,1309)	1:34:A:LEU:HD12	1:31:A:MET:HE2	2	1.29
(1,1309)	1:34:A:LEU:HD13	1:31:A:MET:HE2	2	1.29
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	1	1.29
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	1	1.29
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	1	1.29
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	1	1.29
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	1	1.29
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	1	1.29
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	10	1.29
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	10	1.29
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	10	1.29
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	10	1.29
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	10	1.29
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	10	1.29
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	10	1.29
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	10	1.29
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	10	1.29
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	8	1.29
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	20	1.29
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	20	1.29
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	20	1.29
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	14	1.29
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	14	1.29
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	21	1.29
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	21	1.29
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	17	1.29
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	17	1.29
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	17	1.29
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	17	1.29
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	17	1.29
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	17	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	17	1.29
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	17	1.29
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	17	1.29
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	5	1.29
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	5	1.29
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	5	1.29
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	5	1.29
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	5	1.29
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	5	1.29
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	6	1.29
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	6	1.29
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	6	1.29
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	6	1.29
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	6	1.29
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	6	1.29
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	9	1.29
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	1	1.29
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	1	1.29
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	1	1.29
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	1	1.29
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	1	1.29
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	1	1.29
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	1	1.29
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	1	1.29
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	1	1.29
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	11	1.29
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	11	1.29
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	11	1.29
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	16	1.29
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	16	1.29
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	16	1.29
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	14	1.29
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	14	1.29
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	14	1.29
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	14	1.29
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	14	1.29
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	14	1.29
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	1	1.29
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	1	1.29
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	1	1.29
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	1	1.29
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	1	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	1	1.29
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	19	1.29
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	19	1.29
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	19	1.29
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	19	1.29
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	19	1.29
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	19	1.29
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	7	1.29
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	7	1.29
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	23	1.29
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	23	1.29
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	8	1.29
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	8	1.29
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	8	1.29
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	8	1.29
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	8	1.29
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	8	1.29
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	14	1.29
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	14	1.29
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	14	1.29
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	14	1.29
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	14	1.29
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	14	1.29
(1,859)	1:7:A:GLU:HB3	1:10:A:ARG:HD2	14	1.29
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	17	1.29
(1,832)	1:30:A:LEU:HD11	1:28:A:GLU:HA	10	1.29
(1,832)	1:30:A:LEU:HD12	1:28:A:GLU:HA	10	1.29
(1,832)	1:30:A:LEU:HD13	1:28:A:GLU:HA	10	1.29
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	7	1.29
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	7	1.29
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	7	1.29
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	7	1.29
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	7	1.29
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	7	1.29
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	7	1.29
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	7	1.29
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	7	1.29
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	10	1.29
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	10	1.29
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	10	1.29
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	7	1.29
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	11	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	18	1.29
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	8	1.29
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	12	1.29
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	20	1.29
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	20	1.29
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	20	1.29
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	10	1.29
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	17	1.29
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	22	1.29
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	22	1.29
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	22	1.29
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	22	1.29
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	22	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	1	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	4	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	6	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	10	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	12	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	14	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	16	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	17	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	19	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	21	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	22	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	23	1.29
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	24	1.29
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	24	1.29
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	24	1.29
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	16	1.29
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	16	1.29
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	16	1.29
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	17	1.29
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	10	1.29
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD12	5	1.28
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG22	20	1.28
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG22	19	1.28
(1,1722)	1:30:A:LEU:HD21	1:24:A:ILE:HG13	7	1.28
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	19	1.28
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD12	5	1.28
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	11	1.28
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	11	1.28
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	5	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB3	12	1.28
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	3	1.28
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	5	1.28
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	5	1.28
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	5	1.28
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	5	1.28
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	5	1.28
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	5	1.28
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	5	1.28
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	5	1.28
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	5	1.28
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	6	1.28
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	6	1.28
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	6	1.28
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	6	1.28
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	6	1.28
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	6	1.28
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	6	1.28
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	6	1.28
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	6	1.28
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	8	1.28
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	8	1.28
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	8	1.28
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	8	1.28
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	8	1.28
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	8	1.28
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	10	1.28
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	10	1.28
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	10	1.28
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	14	1.28
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	14	1.28
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	14	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	2	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	2	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	2	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	2	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	2	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	2	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	4	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	4	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	4	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	4	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	4	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	4	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	6	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	6	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	6	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	6	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	6	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	6	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	10	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	10	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	10	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	10	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	10	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	10	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	11	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	11	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	11	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	11	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	11	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	11	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	15	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	15	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	15	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	15	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	15	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	15	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	16	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	16	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	16	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	16	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	16	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	16	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	21	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	21	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	21	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	21	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	21	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	21	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	22	1.28
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	22	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	22	1.28
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	22	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	22	1.28
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	22	1.28
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	3	1.28
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	3	1.28
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	3	1.28
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	3	1.28
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	3	1.28
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	3	1.28
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	3	1.28
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	3	1.28
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	3	1.28
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	14	1.28
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	14	1.28
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	14	1.28
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	14	1.28
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	14	1.28
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	14	1.28
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	14	1.28
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	14	1.28
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	14	1.28
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	9	1.28
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	2	1.28
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	2	1.28
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	15	1.28
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	15	1.28
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	15	1.28
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	21	1.28
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	21	1.28
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	14	1.28
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	22	1.28
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	21	1.28
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	5	1.28
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	5	1.28
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	5	1.28
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	18	1.28
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	18	1.28
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	18	1.28
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	9	1.28
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	9	1.28
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	9	1.28
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	23	1.28
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	23	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	23	1.28
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	8	1.28
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	2	1.28
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	7	1.28
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	9	1.28
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	11	1.28
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	13	1.28
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	15	1.28
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	20	1.28
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	25	1.28
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	2	1.28
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	16	1.28
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	16	1.28
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	16	1.28
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	7	1.28
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	22	1.28
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	22	1.28
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	22	1.28
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	16	1.28
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	16	1.28
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	16	1.28
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG23	14	1.27
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	5	1.27
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	8	1.27
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	9	1.27
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	2	1.27
(1,1396)	1:81:A:LEU:HD13	1:7:A:GLU:H	22	1.27
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	10	1.27
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	10	1.27
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	2	1.27
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	2	1.27
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	2	1.27
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	15	1.27
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	15	1.27
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	15	1.27
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	17	1.27
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	17	1.27
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	17	1.27
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	5	1.27
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	5	1.27
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	5	1.27
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	5	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	5	1.27
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	5	1.27
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	12	1.27
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	12	1.27
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	12	1.27
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	12	1.27
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	12	1.27
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	12	1.27
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	20	1.27
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	20	1.27
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	20	1.27
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	20	1.27
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	20	1.27
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	20	1.27
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	5	1.27
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	5	1.27
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	5	1.27
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	5	1.27
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	5	1.27
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	5	1.27
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	5	1.27
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	5	1.27
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	5	1.27
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	18	1.27
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	18	1.27
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	18	1.27
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	18	1.27
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	18	1.27
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	18	1.27
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	18	1.27
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	18	1.27
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	18	1.27
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	7	1.27
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	7	1.27
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	7	1.27
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	7	1.27
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	7	1.27
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	7	1.27
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	18	1.27
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	18	1.27
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	18	1.27
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	24	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	16	1.27
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	16	1.27
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	16	1.27
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	16	1.27
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	18	1.27
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	20	1.27
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	22	1.27
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	23	1.27
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	3	1.27
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	6	1.27
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	19	1.27
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	20	1.27
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	20	1.27
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	24	1.27
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	24	1.27
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	9	1.27
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	9	1.27
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	9	1.27
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	17	1.27
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	17	1.27
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	17	1.27
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	12	1.27
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	12	1.27
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	9	1.27
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	10	1.27
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	6	1.26
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	21	1.26
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD11	12	1.26
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	13	1.26
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	23	1.26
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	19	1.26
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	19	1.26
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	19	1.26
(1,1752)	1:34:A:LEU:HD13	1:31:A:MET:HE2	8	1.26
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD11	12	1.26
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	22	1.26
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	25	1.26
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	14	1.26
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	1	1.26
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	2	1.26
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	2	1.26
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	2	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	2	1.26
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	2	1.26
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	2	1.26
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	25	1.26
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	25	1.26
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	25	1.26
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	5	1.26
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	17	1.26
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	24	1.26
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	25	1.26
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	1	1.26
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	1	1.26
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	1	1.26
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	1	1.26
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	1	1.26
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	1	1.26
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	7	1.26
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	13	1.26
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	19	1.26
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	19	1.26
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	19	1.26
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	12	1.26
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	12	1.26
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	12	1.26
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	12	1.26
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	12	1.26
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	12	1.26
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	12	1.26
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	12	1.26
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	12	1.26
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	12	1.26
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	12	1.26
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	12	1.26
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	9	1.26
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	9	1.26
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	9	1.26
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	9	1.26
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	9	1.26
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	9	1.26
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	24	1.26
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	24	1.26
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	24	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	24	1.26
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	24	1.26
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	24	1.26
(1,922)	1:13:A:ILE:HD12	1:10:A:ARG:HB2	4	1.26
(1,922)	1:13:A:ILE:HD11	1:10:A:ARG:HB2	17	1.26
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	4	1.26
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	4	1.26
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	4	1.26
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	16	1.26
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	16	1.26
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	16	1.26
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	10	1.26
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	10	1.26
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	19	1.26
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	2	1.26
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	9	1.26
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	2	1.26
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	2	1.26
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	2	1.26
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	9	1.26
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	9	1.26
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	9	1.26
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	21	1.26
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	21	1.26
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	21	1.26
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	3	1.26
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	3	1.26
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	3	1.26
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	4	1.26
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	3	1.26
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	3	1.26
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	17	1.26
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	17	1.26
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	23	1.26
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	23	1.26
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	18	1.26
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	18	1.26
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	18	1.26
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	23	1.26
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	23	1.26
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	23	1.26
(1,272)	1:65:A:PHE:H	1:66:A:LYS:H	18	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	13	1.26
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	13	1.26
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	13	1.26
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	13	1.26
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	24	1.26
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	21	1.26
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	21	1.26
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	21	1.26
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	11	1.25
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	18	1.25
(1,1753)	1:2:A:LYS:HE2	1:6:A:LYS:HD2	12	1.25
(1,1753)	1:2:A:LYS:HE2	1:6:A:LYS:HD2	20	1.25
(1,1695)	1:68:A:ALA:HB1	1:71:A:VAL:HG23	25	1.25
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	20	1.25
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	22	1.25
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG13	9	1.25
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG11	23	1.25
(1,1504)	1:16:A:ALA:H	1:18:A:ALA:HB2	1	1.25
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	1	1.25
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	6	1.25
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	25	1.25
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	5	1.25
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	21	1.25
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	14	1.25
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	14	1.25
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	14	1.25
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	14	1.25
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	14	1.25
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	14	1.25
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	4	1.25
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	8	1.25
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	8	1.25
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	8	1.25
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	8	1.25
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	8	1.25
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	8	1.25
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	4	1.25
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	4	1.25
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	4	1.25
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	4	1.25
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	4	1.25
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	4	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	4	1.25
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	4	1.25
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	4	1.25
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	22	1.25
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	22	1.25
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	22	1.25
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	22	1.25
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	22	1.25
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	22	1.25
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	22	1.25
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	22	1.25
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	22	1.25
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	12	1.25
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	12	1.25
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	25	1.25
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	25	1.25
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	18	1.25
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	18	1.25
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	18	1.25
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	4	1.25
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	4	1.25
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	4	1.25
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	8	1.25
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	8	1.25
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	8	1.25
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	11	1.25
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	19	1.25
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	7	1.25
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	9	1.25
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	9	1.25
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	9	1.25
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	5	1.25
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	10	1.25
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	24	1.25
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	19	1.25
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	19	1.25
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	19	1.25
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	8	1.25
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	15	1.25
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	15	1.25
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	18	1.25
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	18	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	8	1.25
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	8	1.25
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	8	1.25
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	21	1.25
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	21	1.25
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	21	1.25
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	16	1.25
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	8	1.25
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	8	1.25
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	8	1.25
(1,220)	1:66:A:LYS:HG2	1:68:A:ALA:H	21	1.25
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	18	1.25
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	18	1.25
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	18	1.25
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	12	1.25
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	12	1.25
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	12	1.25
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	8	1.24
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD12	14	1.24
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG23	16	1.24
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG22	5	1.24
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	3	1.24
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	16	1.24
(1,1489)	1:49:A:LEU:HD22	1:46:A:ASP:H	10	1.24
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	3	1.24
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	13	1.24
(1,1426)	1:26:A:SER:HA	1:29:A:GLU:H	16	1.24
(1,1225)	1:62:A:ASP:HA	1:65:A:PHE:HD2	1	1.24
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	11	1.24
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	11	1.24
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	11	1.24
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	10	1.24
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	10	1.24
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	10	1.24
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	10	1.24
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	10	1.24
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	10	1.24
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	11	1.24
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	11	1.24
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	11	1.24
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	11	1.24
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	11	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	11	1.24
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	23	1.24
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	23	1.24
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	23	1.24
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	23	1.24
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	23	1.24
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	23	1.24
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	8	1.24
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	24	1.24
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	24	1.24
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	24	1.24
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	8	1.24
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	24	1.24
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	24	1.24
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	24	1.24
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	24	1.24
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	24	1.24
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	24	1.24
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	6	1.24
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	6	1.24
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	6	1.24
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	15	1.24
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	15	1.24
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	15	1.24
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	18	1.24
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	18	1.24
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	18	1.24
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	18	1.24
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	18	1.24
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	18	1.24
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	18	1.24
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	18	1.24
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	18	1.24
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	8	1.24
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	14	1.24
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	21	1.24
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	2	1.24
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	2	1.24
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	2	1.24
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	23	1.24
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	23	1.24
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	1	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	4	1.24
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	6	1.24
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	1	1.24
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	1	1.24
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	1	1.24
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	5	1.24
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	5	1.24
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	5	1.24
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	5	1.24
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	5	1.24
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	5	1.24
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	1	1.24
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	1	1.24
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	2	1.24
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	2	1.24
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	4	1.24
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	4	1.24
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	6	1.24
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	6	1.24
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	8	1.24
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	8	1.24
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	13	1.24
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	13	1.24
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	6	1.24
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	6	1.24
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	6	1.24
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	18	1.24
(1,250)	1:14:A:ILE:HG12	1:11:A:GLY:H	24	1.24
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	21	1.24
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	22	1.24
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	1	1.24
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	1	1.24
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	1	1.24
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	11	1.24
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	11	1.24
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	11	1.24
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	16	1.24
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	8	1.24
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	8	1.24
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	8	1.24
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	25	1.24
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	25	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	25	1.24
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD11	13	1.23
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	24	1.23
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG21	9	1.23
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	6	1.23
(1,1722)	1:30:A:LEU:HD22	1:24:A:ILE:HG13	18	1.23
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG22	16	1.23
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG13	1	1.23
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG11	23	1.23
(1,1570)	1:53:A:ASP:H	1:55:A:GLY:HA2	2	1.23
(1,1567)	1:57:A:VAL:HG13	1:53:A:ASP:HA	19	1.23
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	6	1.23
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	6	1.23
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	6	1.23
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	25	1.23
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	25	1.23
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	25	1.23
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	25	1.23
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	25	1.23
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	25	1.23
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	1	1.23
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	1	1.23
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	1	1.23
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	18	1.23
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	18	1.23
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	18	1.23
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	4	1.23
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	5	1.23
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	10	1.23
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	10	1.23
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	10	1.23
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	10	1.23
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	10	1.23
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	10	1.23
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	10	1.23
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	10	1.23
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	10	1.23
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	1	1.23
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	2	1.23
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	2	1.23
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	2	1.23
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	2	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	2	1.23
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	2	1.23
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	5	1.23
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	5	1.23
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	5	1.23
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	3	1.23
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	3	1.23
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	3	1.23
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	23	1.23
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	25	1.23
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	11	1.23
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	11	1.23
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	8	1.23
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	13	1.23
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	17	1.23
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	10	1.23
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	10	1.23
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	10	1.23
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	25	1.23
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	25	1.23
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	25	1.23
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	23	1.23
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	5	1.23
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	5	1.23
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	7	1.23
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	7	1.23
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	12	1.23
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	12	1.23
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	19	1.23
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	19	1.23
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	21	1.23
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	21	1.23
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	15	1.23
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	15	1.23
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	15	1.23
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	16	1.23
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	16	1.23
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	16	1.23
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	19	1.23
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	19	1.23
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	19	1.23
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	21	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	21	1.23
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	3	1.23
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	4	1.23
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	7	1.23
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	8	1.23
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	10	1.23
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	14	1.23
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	15	1.23
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	19	1.23
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	23	1.23
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	20	1.23
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	20	1.23
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	20	1.23
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	21	1.23
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	21	1.23
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	21	1.23
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	15	1.23
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	15	1.23
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	15	1.23
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD12	9	1.22
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	20	1.22
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	2	1.22
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	3	1.22
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	3	1.22
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	3	1.22
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	3	1.22
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG23	4	1.22
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG23	19	1.22
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	1	1.22
(1,1710)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	8	1.22
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG12	18	1.22
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	13	1.22
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	13	1.22
(1,1543)	1:41:A:THR:HG23	1:39:A:ASP:HB2	25	1.22
(1,1444)	1:13:A:ILE:HG22	1:71:A:VAL:H	25	1.22
(1,1396)	1:81:A:LEU:HD13	1:7:A:GLU:H	7	1.22
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	6	1.22
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	4	1.22
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	4	1.22
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	4	1.22
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	4	1.22
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	4	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	4	1.22
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	4	1.22
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	4	1.22
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	4	1.22
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	17	1.22
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	17	1.22
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	17	1.22
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	20	1.22
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	20	1.22
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	8	1.22
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	21	1.22
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	21	1.22
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	21	1.22
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	21	1.22
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	21	1.22
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	21	1.22
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	17	1.22
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	17	1.22
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	17	1.22
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	7	1.22
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	7	1.22
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	7	1.22
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	11	1.22
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	11	1.22
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	11	1.22
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	11	1.22
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	11	1.22
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	11	1.22
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	11	1.22
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	11	1.22
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	11	1.22
(1,988)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	1	1.22
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	10	1.22
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	7	1.22
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	7	1.22
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	7	1.22
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	7	1.22
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	7	1.22
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	7	1.22
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	21	1.22
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	21	1.22
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	21	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	21	1.22
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	21	1.22
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	21	1.22
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	4	1.22
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	4	1.22
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	1	1.22
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	1	1.22
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	1	1.22
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	12	1.22
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	11	1.22
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	11	1.22
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	11	1.22
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	11	1.22
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	11	1.22
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	11	1.22
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	18	1.22
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	18	1.22
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	18	1.22
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	2	1.22
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	25	1.22
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	25	1.22
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	13	1.22
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	6	1.22
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	8	1.22
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	8	1.22
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	5	1.22
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	6	1.22
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	11	1.22
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	12	1.22
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	13	1.22
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	17	1.22
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	20	1.22
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	24	1.22
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	4	1.22
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	4	1.22
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	4	1.22
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	19	1.22
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	19	1.22
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	19	1.22
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	24	1.22
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	24	1.22
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	24	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	25	1.21
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	8	1.21
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	12	1.21
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	15	1.21
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG23	13	1.21
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG22	25	1.21
(1,1753)	1:2:A:LYS:HE2	1:6:A:LYS:HD2	9	1.21
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	1	1.21
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	4	1.21
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	21	1.21
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	5	1.21
(1,1309)	1:34:A:LEU:HD11	1:31:A:MET:HE2	22	1.21
(1,1309)	1:34:A:LEU:HD12	1:31:A:MET:HE2	22	1.21
(1,1309)	1:34:A:LEU:HD13	1:31:A:MET:HE2	22	1.21
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	24	1.21
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	24	1.21
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	24	1.21
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	24	1.21
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	24	1.21
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	24	1.21
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	12	1.21
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	12	1.21
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	12	1.21
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	16	1.21
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	16	1.21
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	16	1.21
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	21	1.21
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	21	1.21
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	21	1.21
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	7	1.21
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	7	1.21
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	6	1.21
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	3	1.21
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	3	1.21
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	3	1.21
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	3	1.21
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	3	1.21
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	3	1.21
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	2	1.21
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	12	1.21
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	16	1.21
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	5	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	5	1.21
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	5	1.21
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	5	1.21
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	5	1.21
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	5	1.21
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	5	1.21
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	5	1.21
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	5	1.21
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	25	1.21
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	25	1.21
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	25	1.21
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	25	1.21
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	25	1.21
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	25	1.21
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	25	1.21
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	25	1.21
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	25	1.21
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	5	1.21
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	5	1.21
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	5	1.21
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	17	1.21
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	17	1.21
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	17	1.21
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB1	23	1.21
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB2	23	1.21
(1,939)	1:71:A:VAL:HG21	1:68:A:ALA:HB3	23	1.21
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB1	23	1.21
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB2	23	1.21
(1,939)	1:71:A:VAL:HG22	1:68:A:ALA:HB3	23	1.21
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB1	23	1.21
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB2	23	1.21
(1,939)	1:71:A:VAL:HG23	1:68:A:ALA:HB3	23	1.21
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	12	1.21
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	12	1.21
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	12	1.21
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	12	1.21
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	12	1.21
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	12	1.21
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB2	20	1.21
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB2	20	1.21
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	1	1.21
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	1	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	1	1.21
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	10	1.21
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	10	1.21
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	15	1.21
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	1	1.21
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	1	1.21
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	1	1.21
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	4	1.21
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	4	1.21
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	4	1.21
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	17	1.21
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	17	1.21
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	17	1.21
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	14	1.21
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	14	1.21
(1,314)	1:57:A:VAL:HG11	1:53:A:ASP:H	3	1.21
(1,314)	1:57:A:VAL:HG12	1:53:A:ASP:H	3	1.21
(1,314)	1:57:A:VAL:HG13	1:53:A:ASP:H	3	1.21
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	20	1.21
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	20	1.21
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	20	1.21
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	16	1.21
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	16	1.21
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	15	1.21
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	15	1.21
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	17	1.21
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	17	1.21
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	22	1.21
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	22	1.21
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	9	1.21
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	21	1.21
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	21	1.21
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	9	1.21
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	18	1.21
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	7	1.21
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	7	1.21
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	7	1.21
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	14	1.21
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	14	1.21
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	14	1.21
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	17	1.21
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	17	1.21
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	21	1.21
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	21	1.21
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	21	1.21
(1,62)	1:19:A:GLY:HA3	1:17:A:LEU:H	19	1.21
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	19	1.21
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	19	1.21
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	19	1.21
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD12	10	1.2
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	22	1.2
(1,1778)	1:68:A:ALA:HB1	1:24:A:ILE:HG21	25	1.2
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG22	15	1.2
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG22	10	1.2
(1,1752)	1:34:A:LEU:HD11	1:31:A:MET:HE2	9	1.2
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG21	12	1.2
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	25	1.2
(1,1647)	1:71:A:VAL:HG11	1:62:A:ASP:HB3	3	1.2
(1,1562)	1:47:A:VAL:HG11	1:43:A:LYS:HB3	13	1.2
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	5	1.2
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	18	1.2
(1,1395)	1:5:A:VAL:HG13	1:7:A:GLU:H	14	1.2
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	9	1.2
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	9	1.2
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	9	1.2
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	9	1.2
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	9	1.2
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	9	1.2
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	20	1.2
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	20	1.2
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	20	1.2
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	18	1.2
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	18	1.2
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	18	1.2
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	18	1.2
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	18	1.2
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	18	1.2
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	18	1.2
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	18	1.2
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	18	1.2
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	15	1.2
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	15	1.2
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	15	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	9	1.2
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB2	14	1.2
(1,962)	1:5:A:VAL:HG11	1:6:A:LYS:HB3	14	1.2
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB2	14	1.2
(1,962)	1:5:A:VAL:HG12	1:6:A:LYS:HB3	14	1.2
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB2	14	1.2
(1,962)	1:5:A:VAL:HG13	1:6:A:LYS:HB3	14	1.2
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	9	1.2
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	9	1.2
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	9	1.2
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	9	1.2
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	9	1.2
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	9	1.2
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	24	1.2
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	24	1.2
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	11	1.2
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	21	1.2
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	21	1.2
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	21	1.2
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	23	1.2
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	23	1.2
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	23	1.2
(1,358)	1:31:A:MET:HB3	1:33:A:ALA:H	13	1.2
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	9	1.2
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	9	1.2
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	11	1.2
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	11	1.2
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	3	1.2
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	3	1.2
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	3	1.2
(1,292)	1:6:A:LYS:HB2	1:4:A:GLY:H	17	1.2
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	16	1.2
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	16	1.2
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	10	1.2
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	10	1.2
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	10	1.2
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	23	1.2
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	23	1.2
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	23	1.2
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	10	1.2
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	4	1.2
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	4	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	4	1.2
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	13	1.2
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	13	1.2
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	13	1.2
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	2	1.2
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	2	1.2
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	2	1.2
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	11	1.19
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	12	1.19
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	21	1.19
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	7	1.19
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	17	1.19
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	20	1.19
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	15	1.19
(1,1754)	1:7:A:GLU:HG3	1:7:A:GLU:HA	14	1.19
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	14	1.19
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG12	16	1.19
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	14	1.19
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG23	6	1.19
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	6	1.19
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG11	5	1.19
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	17	1.19
(1,1567)	1:57:A:VAL:HG13	1:53:A:ASP:HA	20	1.19
(1,1356)	1:47:A:VAL:HG12	1:46:A:ASP:H	16	1.19
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	23	1.19
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	20	1.19
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	20	1.19
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	20	1.19
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	20	1.19
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	20	1.19
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	20	1.19
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	2	1.19
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	2	1.19
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	2	1.19
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	2	1.19
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	2	1.19
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	2	1.19
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	23	1.19
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	23	1.19
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	23	1.19
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	23	1.19
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	23	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	23	1.19
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	23	1.19
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	23	1.19
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	23	1.19
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	15	1.19
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	15	1.19
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	15	1.19
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	15	1.19
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	15	1.19
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	15	1.19
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB3	15	1.19
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB3	15	1.19
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	25	1.19
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	9	1.19
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	3	1.19
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	3	1.19
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	7	1.19
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	2	1.19
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	2	1.19
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	19	1.19
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	19	1.19
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	3	1.19
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	3	1.19
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	2	1.19
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	2	1.19
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	2	1.19
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	6	1.19
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	6	1.19
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	6	1.19
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	10	1.19
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	10	1.19
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	10	1.19
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	11	1.19
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	11	1.19
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	11	1.19
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	20	1.19
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	20	1.19
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	20	1.19
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	21	1.19
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	21	1.19
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	21	1.19
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	11	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	6	1.19
(1,388)	1:51:A:ALA:H	1:49:A:LEU:H	13	1.19
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	16	1.19
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	20	1.19
(1,343)	1:27:A:PRO:HG2	1:28:A:GLU:H	10	1.19
(1,343)	1:27:A:PRO:HG3	1:28:A:GLU:H	10	1.19
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	23	1.19
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	7	1.19
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	7	1.19
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	9	1.19
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	9	1.19
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	9	1.19
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	25	1.19
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	25	1.19
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	25	1.19
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	20	1.19
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	23	1.19
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	23	1.19
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	23	1.19
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	20	1.19
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	20	1.19
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	20	1.19
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	15	1.19
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	3	1.18
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	4	1.18
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG21	16	1.18
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	5	1.18
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG23	12	1.18
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG22	19	1.18
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	1	1.18
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG23	21	1.18
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	15	1.18
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	24	1.18
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	7	1.18
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	20	1.18
(1,1399)	1:8:A:ASP:H	1:6:A:LYS:H	3	1.18
(1,1396)	1:81:A:LEU:HD13	1:7:A:GLU:H	20	1.18
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	4	1.18
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	19	1.18
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	15	1.18
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	15	1.18
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	15	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	15	1.18
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	15	1.18
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	15	1.18
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	15	1.18
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	15	1.18
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	15	1.18
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	24	1.18
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	24	1.18
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	24	1.18
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	24	1.18
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	24	1.18
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	24	1.18
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	24	1.18
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	24	1.18
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	24	1.18
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	4	1.18
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	4	1.18
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	4	1.18
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	4	1.18
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	4	1.18
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	4	1.18
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	7	1.18
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	7	1.18
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	7	1.18
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	7	1.18
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	7	1.18
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	7	1.18
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	3	1.18
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	1	1.18
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	6	1.18
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	6	1.18
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	6	1.18
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	16	1.18
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	16	1.18
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	16	1.18
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	21	1.18
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	22	1.18
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	22	1.18
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	14	1.18
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	14	1.18
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	23	1.18
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	23	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	23	1.18
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	9	1.18
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	24	1.18
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	24	1.18
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	24	1.18
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	13	1.18
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	13	1.18
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	13	1.18
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	22	1.18
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	22	1.18
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	22	1.18
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	9	1.18
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	22	1.18
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	25	1.18
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	25	1.18
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	6	1.18
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	6	1.18
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	6	1.18
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	24	1.18
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	24	1.18
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	24	1.18
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	25	1.18
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	19	1.18
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	17	1.18
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	17	1.18
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	17	1.18
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	12	1.18
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	3	1.18
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	6	1.18
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	6	1.18
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	6	1.18
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	15	1.17
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD12	18	1.17
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	11	1.17
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	3	1.17
(1,1792)	1:67:A:SER:HA	1:14:A:ILE:HD13	24	1.17
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG22	11	1.17
(1,1722)	1:30:A:LEU:HD21	1:24:A:ILE:HG13	8	1.17
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	20	1.17
(1,1685)	1:67:A:SER:HA	1:14:A:ILE:HD13	24	1.17
(1,1615)	1:69:A:GLU:HA	1:71:A:VAL:HG13	3	1.17
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	15	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:81:A:LEU:HD13	1:7:A:GLU:H	4	1.17
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	23	1.17
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	7	1.17
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	16	1.17
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	16	1.17
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	16	1.17
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	16	1.17
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	16	1.17
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	16	1.17
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	16	1.17
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	16	1.17
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	16	1.17
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	2	1.17
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	2	1.17
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	2	1.17
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	2	1.17
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	2	1.17
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	2	1.17
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	22	1.17
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	22	1.17
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	22	1.17
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	22	1.17
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	22	1.17
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	22	1.17
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	14	1.17
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	14	1.17
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	14	1.17
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	22	1.17
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	22	1.17
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	24	1.17
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	24	1.17
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	24	1.17
(1,922)	1:13:A:ILE:HD12	1:10:A:ARG:HB2	19	1.17
(1,858)	1:7:A:GLU:HB2	1:10:A:ARG:HD2	14	1.17
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	11	1.17
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	17	1.17
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	17	1.17
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	17	1.17
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	14	1.17
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	10	1.17
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	5	1.17
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	5	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	7	1.17
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	19	1.17
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	25	1.17
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	6	1.17
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	6	1.17
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	6	1.17
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	12	1.17
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	12	1.17
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	12	1.17
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	15	1.17
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	15	1.17
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	15	1.17
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	14	1.17
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	14	1.17
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	14	1.17
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	15	1.17
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	15	1.17
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	15	1.17
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	4	1.17
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	14	1.17
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	20	1.17
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	20	1.17
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	5	1.17
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	5	1.17
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	2	1.17
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	2	1.17
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	2	1.17
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	19	1.17
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	19	1.17
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	19	1.17
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	16	1.17
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	2	1.17
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	2	1.17
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	2	1.17
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	5	1.17
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	18	1.17
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	18	1.17
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	18	1.17
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	22	1.17
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	22	1.17
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	22	1.17
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	25	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	25	1.17
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	25	1.17
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	25	1.17
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	21	1.16
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG21	10	1.16
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG22	22	1.16
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	13	1.16
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	23	1.16
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG23	17	1.16
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG13	25	1.16
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	5	1.16
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	10	1.16
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG22	17	1.16
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	2	1.16
(1,1647)	1:71:A:VAL:HG12	1:62:A:ASP:HB3	23	1.16
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	11	1.16
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	20	1.16
(1,1489)	1:49:A:LEU:HD22	1:46:A:ASP:H	3	1.16
(1,1396)	1:81:A:LEU:HD13	1:7:A:GLU:H	8	1.16
(1,1356)	1:47:A:VAL:HG13	1:46:A:ASP:H	25	1.16
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	7	1.16
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	8	1.16
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	8	1.16
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	8	1.16
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	15	1.16
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	15	1.16
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	15	1.16
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	15	1.16
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	15	1.16
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	15	1.16
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	15	1.16
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	15	1.16
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	15	1.16
(1,1063)	1:34:A:LEU:HD21	1:31:A:MET:HB3	19	1.16
(1,1063)	1:34:A:LEU:HD22	1:31:A:MET:HB3	19	1.16
(1,1063)	1:34:A:LEU:HD23	1:31:A:MET:HB3	19	1.16
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	21	1.16
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	21	1.16
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	21	1.16
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	22	1.16
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	22	1.16
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	22	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	21	1.16
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	21	1.16
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	21	1.16
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	21	1.16
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	21	1.16
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	21	1.16
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	21	1.16
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	21	1.16
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	21	1.16
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	21	1.16
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	21	1.16
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	21	1.16
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	12	1.16
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	19	1.16
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	13	1.16
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	13	1.16
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	13	1.16
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	13	1.16
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	13	1.16
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	13	1.16
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	13	1.16
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	13	1.16
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	13	1.16
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	18	1.16
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	25	1.16
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	25	1.16
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	25	1.16
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	22	1.16
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	12	1.16
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	12	1.16
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	19	1.16
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	19	1.16
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	3	1.16
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	15	1.16
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	15	1.16
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	15	1.16
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	7	1.16
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	7	1.16
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	7	1.16
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	5	1.16
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	3	1.16
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	6	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	6	1.16
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	20	1.16
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	20	1.16
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	13	1.16
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	13	1.16
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	3	1.16
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	3	1.16
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	3	1.16
(1,220)	1:66:A:LYS:HG3	1:68:A:ALA:H	6	1.16
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	11	1.16
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	15	1.16
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	18	1.16
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	23	1.16
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	23	1.16
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	23	1.16
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	5	1.15
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	18	1.15
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG23	7	1.15
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG23	11	1.15
(1,1722)	1:30:A:LEU:HD21	1:24:A:ILE:HG13	16	1.15
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	20	1.15
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	10	1.15
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	2	1.15
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	5	1.15
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	13	1.15
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	22	1.15
(1,1399)	1:8:A:ASP:H	1:6:A:LYS:H	14	1.15
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	2	1.15
(1,1396)	1:81:A:LEU:HD11	1:7:A:GLU:H	9	1.15
(1,1396)	1:81:A:LEU:HD11	1:7:A:GLU:H	11	1.15
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	14	1.15
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	7	1.15
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	12	1.15
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	14	1.15
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	6	1.15
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	6	1.15
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	6	1.15
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	6	1.15
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	6	1.15
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	6	1.15
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	6	1.15
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	6	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	6	1.15
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	23	1.15
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	23	1.15
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	23	1.15
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	4	1.15
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	4	1.15
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	4	1.15
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	7	1.15
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	7	1.15
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	7	1.15
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	3	1.15
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	3	1.15
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	3	1.15
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	3	1.15
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	3	1.15
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	3	1.15
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	3	1.15
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	3	1.15
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	3	1.15
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	14	1.15
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	14	1.15
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	14	1.15
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	14	1.15
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	14	1.15
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	14	1.15
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	2	1.15
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	2	1.15
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	2	1.15
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	7	1.15
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	7	1.15
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	7	1.15
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	12	1.15
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	12	1.15
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	12	1.15
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	5	1.15
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	17	1.15
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	17	1.15
(1,591)	1:50:A:LYS:H	1:50:A:LYS:HB2	14	1.15
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	22	1.15
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	22	1.15
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	22	1.15
(1,491)	1:76:A:VAL:HG21	1:73:A:ASP:H	12	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:76:A:VAL:HG22	1:73:A:ASP:H	12	1.15
(1,491)	1:76:A:VAL:HG23	1:73:A:ASP:H	12	1.15
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	10	1.15
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	10	1.15
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	10	1.15
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	8	1.15
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	8	1.15
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	22	1.15
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	12	1.15
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	12	1.15
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	12	1.15
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	18	1.15
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	18	1.15
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	18	1.15
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	6	1.15
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	8	1.15
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	12	1.15
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	13	1.15
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	9	1.15
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	9	1.15
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	9	1.15
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	11	1.15
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	9	1.15
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	17	1.15
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	17	1.15
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	17	1.15
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	20	1.15
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	1	1.14
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	6	1.14
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	20	1.14
(1,1753)	1:2:A:LYS:HE3	1:6:A:LYS:HD2	5	1.14
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	15	1.14
(1,1695)	1:68:A:ALA:HB1	1:71:A:VAL:HG21	19	1.14
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	5	1.14
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	11	1.14
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	3	1.14
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	7	1.14
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	9	1.14
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	16	1.14
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	20	1.14
(1,1444)	1:13:A:ILE:HG23	1:71:A:VAL:H	21	1.14
(1,1399)	1:8:A:ASP:H	1:6:A:LYS:H	7	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	17	1.14
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	4	1.14
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	11	1.14
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	22	1.14
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	22	1.14
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	22	1.14
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	22	1.14
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	22	1.14
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	22	1.14
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	4	1.14
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	19	1.14
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	12	1.14
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	12	1.14
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	12	1.14
(1,918)	1:73:A:ASP:HB2	1:6:A:LYS:HG2	24	1.14
(1,918)	1:73:A:ASP:HB3	1:6:A:LYS:HG2	24	1.14
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	9	1.14
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	9	1.14
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	9	1.14
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	17	1.14
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	17	1.14
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	17	1.14
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	1	1.14
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	1	1.14
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	1	1.14
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	6	1.14
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	18	1.14
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	18	1.14
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	18	1.14
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	24	1.14
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	23	1.14
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	23	1.14
(1,672)	1:77:A:ASN:HB3	1:74:A:THR:HA	11	1.14
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	17	1.14
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	17	1.14
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	17	1.14
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	25	1.14
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	25	1.14
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	25	1.14
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	9	1.14
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	9	1.14
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:49:A:LEU:HA	1:52:A:SER:H	18	1.14
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	2	1.14
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	13	1.14
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	5	1.14
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	5	1.14
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	5	1.14
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	7	1.14
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	21	1.14
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	24	1.14
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	5	1.14
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	5	1.14
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	5	1.14
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	19	1.14
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	19	1.14
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	19	1.14
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	11	1.14
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	11	1.14
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	11	1.14
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	12	1.14
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	12	1.14
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	12	1.14
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	19	1.13
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	22	1.13
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	5	1.13
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG22	12	1.13
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG23	17	1.13
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG23	21	1.13
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	6	1.13
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	24	1.13
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	21	1.13
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG23	1	1.13
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	1	1.13
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	4	1.13
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	12	1.13
(1,1489)	1:49:A:LEU:HD22	1:46:A:ASP:H	9	1.13
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	19	1.13
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	16	1.13
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	23	1.13
(1,1396)	1:81:A:LEU:HD13	1:7:A:GLU:H	21	1.13
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	1	1.13
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	19	1.13
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	22	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	22	1.13
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	22	1.13
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	22	1.13
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	22	1.13
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	22	1.13
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	3	1.13
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	3	1.13
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	3	1.13
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	3	1.13
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	3	1.13
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	3	1.13
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	3	1.13
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	3	1.13
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	3	1.13
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	24	1.13
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	24	1.13
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	24	1.13
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	24	1.13
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	24	1.13
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	24	1.13
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	16	1.13
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	16	1.13
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	16	1.13
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	16	1.13
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	16	1.13
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	16	1.13
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	21	1.13
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	21	1.13
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	21	1.13
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	21	1.13
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	21	1.13
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	21	1.13
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	5	1.13
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	5	1.13
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	5	1.13
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	15	1.13
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	15	1.13
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	20	1.13
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	20	1.13
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	20	1.13
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	8	1.13
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	8	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	8	1.13
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	24	1.13
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	24	1.13
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	24	1.13
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	16	1.13
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	16	1.13
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	21	1.13
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	4	1.13
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	12	1.13
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	7	1.13
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	7	1.13
(1,479)	1:64:A:PRO:HB3	1:67:A:SER:H	24	1.13
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	4	1.13
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	9	1.13
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	22	1.13
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	4	1.13
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	4	1.13
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	4	1.13
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	7	1.13
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	7	1.13
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	7	1.13
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	14	1.13
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	14	1.13
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	14	1.13
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	16	1.13
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	16	1.13
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	2	1.13
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	17	1.13
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	21	1.13
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	12	1.13
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	14	1.13
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	14	1.13
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	14	1.13
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	21	1.13
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	21	1.13
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	21	1.13
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	8	1.12
(1,1787)	1:46:A:ASP:H	1:9:A:ILE:HD13	22	1.12
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	20	1.12
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	14	1.12
(1,1751)	1:49:A:LEU:HB3	1:31:A:MET:HE2	16	1.12
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	17	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:13:A:ILE:HG22	1:71:A:VAL:H	15	1.12
(1,1396)	1:81:A:LEU:HD11	1:7:A:GLU:H	1	1.12
(1,1396)	1:81:A:LEU:HD13	1:7:A:GLU:H	3	1.12
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	3	1.12
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	3	1.12
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	13	1.12
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	23	1.12
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	24	1.12
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	12	1.12
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	14	1.12
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	16	1.12
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	16	1.12
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	16	1.12
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	16	1.12
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	16	1.12
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	16	1.12
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE1	2	1.12
(1,1218)	1:62:A:ASP:HB3	1:22:A:PHE:HE2	2	1.12
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	10	1.12
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	10	1.12
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	10	1.12
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	23	1.12
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	23	1.12
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	23	1.12
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	7	1.12
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	24	1.12
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	5	1.12
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD21	8	1.12
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD22	8	1.12
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD23	8	1.12
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD21	8	1.12
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD22	8	1.12
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD23	8	1.12
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	18	1.12
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	18	1.12
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	18	1.12
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	18	1.12
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	18	1.12
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	18	1.12
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	18	1.12
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	18	1.12
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	18	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	25	1.12
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	14	1.12
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	11	1.12
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	11	1.12
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	11	1.12
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	11	1.12
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	11	1.12
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	11	1.12
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	6	1.12
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	6	1.12
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	6	1.12
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	15	1.12
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	15	1.12
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	15	1.12
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	4	1.12
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	4	1.12
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	4	1.12
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	4	1.12
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	4	1.12
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	4	1.12
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	4	1.12
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	4	1.12
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	4	1.12
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	11	1.12
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	11	1.12
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	11	1.12
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	11	1.12
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	11	1.12
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	11	1.12
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	11	1.12
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	11	1.12
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	11	1.12
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	9	1.12
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	9	1.12
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	9	1.12
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG3	4	1.12
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG3	4	1.12
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	3	1.12
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	7	1.12
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	14	1.12
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	14	1.12
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	21	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	21	1.12
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	2	1.12
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	2	1.12
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	2	1.12
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	3	1.12
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	3	1.12
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	3	1.12
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	12	1.12
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	10	1.12
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	1	1.12
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	1	1.12
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	1	1.12
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	5	1.12
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	5	1.12
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	5	1.12
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	1	1.12
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	14	1.12
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	22	1.12
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	4	1.12
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	7	1.12
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	18	1.12
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	1	1.12
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	1	1.12
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	1	1.12
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	15	1.12
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	15	1.12
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	15	1.12
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	22	1.12
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	3	1.11
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD12	20	1.11
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	2	1.11
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	19	1.11
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG23	23	1.11
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG21	8	1.11
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG22	8	1.11
(1,1764)	1:72:A:ALA:H	1:75:A:ILE:HG23	8	1.11
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG23	15	1.11
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	6	1.11
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	13	1.11
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	6	1.11
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	8	1.11
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	15	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	16	1.11
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	18	1.11
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	20	1.11
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	23	1.11
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	24	1.11
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	25	1.11
(1,1489)	1:49:A:LEU:HD23	1:46:A:ASP:H	1	1.11
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	17	1.11
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	19	1.11
(1,1444)	1:13:A:ILE:HG23	1:71:A:VAL:H	17	1.11
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	2	1.11
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	5	1.11
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	6	1.11
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	12	1.11
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	15	1.11
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	17	1.11
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	12	1.11
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	12	1.11
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	12	1.11
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	12	1.11
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	12	1.11
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	12	1.11
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	8	1.11
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	8	1.11
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	8	1.11
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	8	1.11
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	8	1.11
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	8	1.11
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	15	1.11
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	15	1.11
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	15	1.11
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	15	1.11
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	15	1.11
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	15	1.11
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD11	22	1.11
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD12	22	1.11
(1,1140)	1:24:A:ILE:HG21	1:14:A:ILE:HD13	22	1.11
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD11	22	1.11
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD12	22	1.11
(1,1140)	1:24:A:ILE:HG22	1:14:A:ILE:HD13	22	1.11
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD11	22	1.11
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD12	22	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:24:A:ILE:HG23	1:14:A:ILE:HD13	22	1.11
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	22	1.11
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	22	1.11
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	22	1.11
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	22	1.11
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	22	1.11
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	22	1.11
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	9	1.11
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	9	1.11
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	9	1.11
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	10	1.11
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	25	1.11
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	20	1.11
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	20	1.11
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	20	1.11
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	20	1.11
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	20	1.11
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	20	1.11
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	20	1.11
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	20	1.11
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	20	1.11
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	9	1.11
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	9	1.11
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	9	1.11
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	24	1.11
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	24	1.11
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	24	1.11
(1,988)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	23	1.11
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	22	1.11
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	7	1.11
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	7	1.11
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	7	1.11
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	7	1.11
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	7	1.11
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	7	1.11
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	7	1.11
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	7	1.11
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	7	1.11
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	17	1.11
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	17	1.11
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	17	1.11
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	17	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	17	1.11
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	17	1.11
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	17	1.11
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	17	1.11
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	17	1.11
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB2	11	1.11
(1,969)	1:47:A:VAL:HG11	1:44:A:SER:HB3	11	1.11
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB2	11	1.11
(1,969)	1:47:A:VAL:HG12	1:44:A:SER:HB3	11	1.11
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB2	11	1.11
(1,969)	1:47:A:VAL:HG13	1:44:A:SER:HB3	11	1.11
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	3	1.11
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	3	1.11
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	3	1.11
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	20	1.11
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	20	1.11
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	20	1.11
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	20	1.11
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	20	1.11
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	20	1.11
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	25	1.11
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	25	1.11
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	25	1.11
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	25	1.11
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	25	1.11
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	25	1.11
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	19	1.11
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	12	1.11
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	12	1.11
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	12	1.11
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	12	1.11
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	12	1.11
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	12	1.11
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	12	1.11
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	12	1.11
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	12	1.11
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	6	1.11
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	14	1.11
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	5	1.11
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	25	1.11
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	25	1.11
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	25	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	21	1.11
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	2	1.11
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	2	1.11
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	2	1.11
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	11	1.11
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	11	1.11
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	11	1.11
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	12	1.11
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	12	1.11
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	12	1.11
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	7	1.11
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	7	1.11
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	10	1.11
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	10	1.11
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	14	1.11
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	14	1.11
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	19	1.11
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	19	1.11
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	25	1.11
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	9	1.11
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	10	1.11
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	19	1.11
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	23	1.11
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	13	1.11
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	13	1.11
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	13	1.11
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	5	1.11
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	8	1.11
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	8	1.11
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	8	1.11
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	14	1.11
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	14	1.11
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	14	1.11
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	13	1.1
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG22	15	1.1
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	6	1.1
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG21	12	1.1
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG23	16	1.1
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	12	1.1
(1,1722)	1:30:A:LEU:HD22	1:24:A:ILE:HG13	15	1.1
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	17	1.1
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG23	17	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	24	1.1
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	8	1.1
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	9	1.1
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	11	1.1
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	25	1.1
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	25	1.1
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	25	1.1
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	25	1.1
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	25	1.1
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	25	1.1
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	25	1.1
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	13	1.1
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	13	1.1
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	13	1.1
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	13	1.1
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	13	1.1
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	13	1.1
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	17	1.1
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	17	1.1
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	17	1.1
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	17	1.1
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	17	1.1
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	17	1.1
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	5	1.1
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	5	1.1
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	15	1.1
(1,1178)	1:65:A:PHE:HD2	1:62:A:ASP:HB2	22	1.1
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	6	1.1
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	6	1.1
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	6	1.1
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	7	1.1
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	11	1.1
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	6	1.1
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	6	1.1
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	6	1.1
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	6	1.1
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	6	1.1
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	6	1.1
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	22	1.1
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	22	1.1
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	22	1.1
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	22	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	22	1.1
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	22	1.1
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD13	22	1.1
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD13	22	1.1
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD13	22	1.1
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB2	12	1.1
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB2	12	1.1
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	9	1.1
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	9	1.1
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	9	1.1
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	9	1.1
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	9	1.1
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	9	1.1
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	9	1.1
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	9	1.1
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	9	1.1
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	1	1.1
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	1	1.1
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	1	1.1
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	12	1.1
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	12	1.1
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	12	1.1
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	13	1.1
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	13	1.1
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	13	1.1
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	24	1.1
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	24	1.1
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	24	1.1
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	18	1.1
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	4	1.1
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	24	1.1
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	1	1.1
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	1	1.1
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	20	1.1
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	20	1.1
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	20	1.1
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	5	1.1
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	5	1.1
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	5	1.1
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	10	1.1
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	10	1.1
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	10	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	5	1.1
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	19	1.1
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	25	1.1
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	16	1.1
(1,313)	1:76:A:VAL:HG21	1:71:A:VAL:H	13	1.1
(1,313)	1:76:A:VAL:HG22	1:71:A:VAL:H	13	1.1
(1,313)	1:76:A:VAL:HG23	1:71:A:VAL:H	13	1.1
(1,292)	1:6:A:LYS:HB2	1:4:A:GLY:H	6	1.1
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	15	1.1
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	15	1.1
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	15	1.1
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	4	1.1
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	11	1.1
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	19	1.1
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	8	1.1
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	5	1.1
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	5	1.1
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	5	1.1
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	3	1.1
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	3	1.1
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	3	1.1
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	9	1.1
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	9	1.1
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	9	1.1
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	10	1.1
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	10	1.1
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	10	1.1
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	13	1.1
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	13	1.1
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	13	1.1
(1,1854)	1:76:A:VAL:HG23	1:13:A:ILE:HD11	24	1.09
(1,1799)	1:65:A:PHE:HD2	1:24:A:ILE:HD13	9	1.09
(1,1778)	1:68:A:ALA:HB1	1:24:A:ILE:HG23	2	1.09
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG21	3	1.09
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG22	15	1.09
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG22	9	1.09
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG22	8	1.09
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	3	1.09
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	24	1.09
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG11	12	1.09
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	11	1.09
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	19	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1567)	1:57:A:VAL:HG12	1:53:A:ASP:HA	15	1.09
(1,1567)	1:57:A:VAL:HG13	1:53:A:ASP:HA	17	1.09
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	15	1.09
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	20	1.09
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	22	1.09
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	14	1.09
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	20	1.09
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	2	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	11	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	11	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	11	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	11	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	11	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	11	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	20	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	20	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	20	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	20	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	20	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	20	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	22	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	22	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	22	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	22	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	22	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	22	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	25	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	25	1.09
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	25	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	25	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	25	1.09
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	25	1.09
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	11	1.09
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	17	1.09
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	18	1.09
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	20	1.09
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	11	1.09
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	11	1.09
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	11	1.09
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	12	1.09
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	12	1.09
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	12	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	20	1.09
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	20	1.09
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	20	1.09
(1,988)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	15	1.09
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	21	1.09
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	13	1.09
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	13	1.09
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	13	1.09
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	17	1.09
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	17	1.09
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	17	1.09
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	17	1.09
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	17	1.09
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	17	1.09
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	5	1.09
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	11	1.09
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	11	1.09
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	11	1.09
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	25	1.09
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	25	1.09
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	25	1.09
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	2	1.09
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	5	1.09
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	12	1.09
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	17	1.09
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	18	1.09
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB2	20	1.09
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	4	1.09
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	4	1.09
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	4	1.09
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	15	1.09
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	7	1.09
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	9	1.09
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	22	1.09
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	15	1.09
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	1	1.09
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	1	1.09
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	23	1.09
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	23	1.09
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	22	1.09
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	22	1.09
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	2	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	6	1.09
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	6	1.09
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	6	1.09
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	24	1.09
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	24	1.09
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	24	1.09
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	3	1.09
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	9	1.09
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	10	1.09
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	12	1.09
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	9	1.09
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	9	1.09
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	9	1.09
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	5	1.09
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	5	1.09
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	5	1.09
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	16	1.09
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	16	1.09
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	16	1.09
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	3	1.08
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD12	24	1.08
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	5	1.08
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG23	12	1.08
(1,1722)	1:30:A:LEU:HD22	1:24:A:ILE:HG13	6	1.08
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG12	5	1.08
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	15	1.08
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG23	24	1.08
(1,1621)	1:75:A:ILE:HG23	1:76:A:VAL:HG13	21	1.08
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	10	1.08
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	24	1.08
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	10	1.08
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	18	1.08
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	4	1.08
(1,1356)	1:47:A:VAL:HG12	1:46:A:ASP:H	5	1.08
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	24	1.08
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	5	1.08
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	5	1.08
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	5	1.08
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	5	1.08
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	5	1.08
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	5	1.08
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	3	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	3	1.08
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	15	1.08
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	17	1.08
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	17	1.08
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	17	1.08
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	17	1.08
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	17	1.08
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	17	1.08
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	17	1.08
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	17	1.08
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	17	1.08
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	24	1.08
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	24	1.08
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	24	1.08
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	24	1.08
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	24	1.08
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	24	1.08
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	24	1.08
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	24	1.08
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	24	1.08
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	19	1.08
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	10	1.08
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	10	1.08
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	10	1.08
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	10	1.08
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	10	1.08
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	10	1.08
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	10	1.08
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	10	1.08
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	10	1.08
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	19	1.08
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	21	1.08
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	21	1.08
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	21	1.08
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	21	1.08
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	21	1.08
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	21	1.08
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	23	1.08
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	23	1.08
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	23	1.08
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	23	1.08
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB3	22	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB3	22	1.08
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	3	1.08
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	3	1.08
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	3	1.08
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	5	1.08
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	5	1.08
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	5	1.08
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	6	1.08
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	6	1.08
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	6	1.08
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	20	1.08
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	20	1.08
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	20	1.08
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	4	1.08
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	7	1.08
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	3	1.08
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	13	1.08
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	16	1.08
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	8	1.08
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	8	1.08
(1,556)	1:71:A:VAL:HG21	1:65:A:PHE:HA	16	1.08
(1,556)	1:71:A:VAL:HG22	1:65:A:PHE:HA	16	1.08
(1,556)	1:71:A:VAL:HG23	1:65:A:PHE:HA	16	1.08
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	12	1.08
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	4	1.08
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	6	1.08
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	5	1.08
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	21	1.08
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	23	1.08
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	7	1.08
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	23	1.08
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	23	1.08
(1,232)	1:60:A:ALA:H	1:59:A:THR:H	1	1.08
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	5	1.08
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	13	1.08
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	10	1.08
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	10	1.08
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	10	1.08
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	25	1.08
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	25	1.08
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	25	1.08
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	1	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	23	1.08
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	1	1.08
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	17	1.08
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	17	1.08
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	17	1.08
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	6	1.08
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	16	1.08
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	16	1.08
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	16	1.08
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	1	1.07
(1,1818)	1:66:A:LYS:HG2	1:65:A:PHE:HD2	22	1.07
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG22	6	1.07
(1,1778)	1:68:A:ALA:HB1	1:24:A:ILE:HG22	19	1.07
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG22	11	1.07
(1,1647)	1:71:A:VAL:HG11	1:62:A:ASP:HB3	7	1.07
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	14	1.07
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	2	1.07
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	11	1.07
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	16	1.07
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	21	1.07
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	23	1.07
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	25	1.07
(1,1494)	1:66:A:LYS:HD3	1:67:A:SER:H	24	1.07
(1,1396)	1:81:A:LEU:HD11	1:7:A:GLU:H	6	1.07
(1,1396)	1:81:A:LEU:HD12	1:7:A:GLU:H	16	1.07
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	21	1.07
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	22	1.07
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	20	1.07
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	20	1.07
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	20	1.07
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	20	1.07
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	20	1.07
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	20	1.07
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	10	1.07
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	10	1.07
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	10	1.07
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	10	1.07
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	10	1.07
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	10	1.07
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	14	1.07
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	14	1.07
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	14	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	14	1.07
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	14	1.07
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	14	1.07
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	2	1.07
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	2	1.07
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	2	1.07
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	2	1.07
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	2	1.07
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	2	1.07
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	1	1.07
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	1	1.07
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	1	1.07
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB2	16	1.07
(1,1134)	1:30:A:LEU:HD21	1:21:A:ASP:HB3	16	1.07
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB2	16	1.07
(1,1134)	1:30:A:LEU:HD22	1:21:A:ASP:HB3	16	1.07
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB2	16	1.07
(1,1134)	1:30:A:LEU:HD23	1:21:A:ASP:HB3	16	1.07
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	4	1.07
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	4	1.07
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	4	1.07
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	4	1.07
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	4	1.07
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	4	1.07
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	4	1.07
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	4	1.07
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	4	1.07
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	18	1.07
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	18	1.07
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	18	1.07
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	18	1.07
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	18	1.07
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	18	1.07
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	18	1.07
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	18	1.07
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	18	1.07
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	7	1.07
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	21	1.07
(1,988)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	24	1.07
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	1	1.07
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	1	1.07
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	1	1.07
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	1	1.07
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	1	1.07
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	1	1.07
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	1	1.07
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	1	1.07
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	12	1.07
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	12	1.07
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	12	1.07
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	12	1.07
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	12	1.07
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	12	1.07
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	12	1.07
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	12	1.07
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	12	1.07
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	9	1.07
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	9	1.07
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	2	1.07
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	2	1.07
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	2	1.07
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	7	1.07
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	7	1.07
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	7	1.07
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	19	1.07
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	19	1.07
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	19	1.07
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	23	1.07
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	23	1.07
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	23	1.07
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	18	1.07
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	23	1.07
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	24	1.07
(1,759)	1:66:A:LYS:H	1:64:A:PRO:HB3	24	1.07
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	2	1.07
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	2	1.07
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	1	1.07
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	8	1.07
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	15	1.07
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	23	1.07
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	22	1.07
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	22	1.07
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	22	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	25	1.07
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	25	1.07
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	25	1.07
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	2	1.07
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	2	1.07
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	2	1.07
(1,354)	1:35:A:PRO:HD3	1:33:A:ALA:H	10	1.07
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	11	1.07
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	19	1.07
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	1	1.07
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	1	1.07
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	1	1.07
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	8	1.07
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	13	1.07
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	15	1.07
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	18	1.07
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	25	1.07
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	2	1.07
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	2	1.07
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	2	1.07
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	20	1.07
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	20	1.07
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	2	1.07
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	2	1.07
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	2	1.07
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	4	1.07
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	4	1.07
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	4	1.07
(1,52)	1:16:A:ALA:HB1	1:13:A:ILE:H	7	1.07
(1,52)	1:16:A:ALA:HB2	1:13:A:ILE:H	7	1.07
(1,52)	1:16:A:ALA:HB3	1:13:A:ILE:H	7	1.07
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD11	17	1.06
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG21	10	1.06
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG22	22	1.06
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	24	1.06
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG21	21	1.06
(1,1621)	1:13:A:ILE:HD11	1:76:A:VAL:HG13	17	1.06
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG12	2	1.06
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	1	1.06
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	6	1.06
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	7	1.06
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	12	1.06
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	17	1.06
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	19	1.06
(1,1494)	1:66:A:LYS:HD3	1:67:A:SER:H	11	1.06
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	8	1.06
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	19	1.06
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	2	1.06
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	2	1.06
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	2	1.06
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	2	1.06
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	2	1.06
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	2	1.06
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	15	1.06
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	15	1.06
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	15	1.06
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	15	1.06
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	15	1.06
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	15	1.06
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	24	1.06
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	24	1.06
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	24	1.06
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	24	1.06
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	24	1.06
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	24	1.06
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	10	1.06
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	10	1.06
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	10	1.06
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	9	1.06
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	9	1.06
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	9	1.06
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	9	1.06
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	9	1.06
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	9	1.06
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	9	1.06
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	9	1.06
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	9	1.06
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	24	1.06
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	24	1.06
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	24	1.06
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	24	1.06
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	1	1.06
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	1	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	1	1.06
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	9	1.06
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	9	1.06
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	9	1.06
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	20	1.06
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	20	1.06
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	20	1.06
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	13	1.06
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	13	1.06
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	13	1.06
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	17	1.06
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	8	1.06
(1,922)	1:13:A:ILE:HD11	1:10:A:ARG:HB2	20	1.06
(1,922)	1:13:A:ILE:HD11	1:10:A:ARG:HB2	25	1.06
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	2	1.06
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	2	1.06
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	2	1.06
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	14	1.06
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	14	1.06
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	14	1.06
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	15	1.06
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	15	1.06
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	15	1.06
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	16	1.06
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	16	1.06
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	16	1.06
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	17	1.06
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	17	1.06
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	17	1.06
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	22	1.06
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	22	1.06
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	22	1.06
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG3	17	1.06
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG3	17	1.06
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	3	1.06
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	5	1.06
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	13	1.06
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	15	1.06
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	8	1.06
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	6	1.06
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	9	1.06
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	20	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	6	1.06
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	6	1.06
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	14	1.06
(1,289)	1:7:A:GLU:HG3	1:4:A:GLY:H	1	1.06
(1,289)	1:7:A:GLU:HG3	1:4:A:GLY:H	14	1.06
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	4	1.06
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	4	1.06
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	19	1.06
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	19	1.06
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	2	1.06
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	14	1.06
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	17	1.06
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	21	1.06
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	1	1.06
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	1	1.06
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	1	1.06
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	7	1.05
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	5	1.05
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	25	1.05
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG21	15	1.05
(1,1759)	1:14:A:ILE:HG12	1:13:A:ILE:HG22	22	1.05
(1,1722)	1:30:A:LEU:HD22	1:24:A:ILE:HG13	10	1.05
(1,1695)	1:68:A:ALA:HB1	1:71:A:VAL:HG21	11	1.05
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	14	1.05
(1,1543)	1:41:A:THR:HG23	1:39:A:ASP:HB2	19	1.05
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	16	1.05
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	3	1.05
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	5	1.05
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	10	1.05
(1,1489)	1:49:A:LEU:HD22	1:46:A:ASP:H	8	1.05
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	20	1.05
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	5	1.05
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	24	1.05
(1,1399)	1:8:A:ASP:H	1:6:A:LYS:H	16	1.05
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	9	1.05
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	2	1.05
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	5	1.05
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	7	1.05
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	12	1.05
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	16	1.05
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	12	1.05
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	12	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	12	1.05
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	12	1.05
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	12	1.05
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	12	1.05
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	16	1.05
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	16	1.05
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	16	1.05
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	16	1.05
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	16	1.05
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	16	1.05
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	15	1.05
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	15	1.05
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	15	1.05
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	15	1.05
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	15	1.05
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	15	1.05
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	17	1.05
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	17	1.05
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	17	1.05
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	17	1.05
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	17	1.05
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	17	1.05
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	13	1.05
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	13	1.05
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	13	1.05
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	13	1.05
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	13	1.05
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	13	1.05
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	13	1.05
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	13	1.05
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	13	1.05
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	6	1.05
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	6	1.05
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	6	1.05
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	6	1.05
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	6	1.05
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	6	1.05
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	12	1.05
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	12	1.05
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	12	1.05
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	12	1.05
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	12	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	12	1.05
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	7	1.05
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	7	1.05
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	7	1.05
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	6	1.05
(1,988)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	19	1.05
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	1	1.05
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	3	1.05
(1,852)	1:66:A:LYS:HG3	1:62:A:ASP:HA	9	1.05
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	23	1.05
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	23	1.05
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	23	1.05
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	23	1.05
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	23	1.05
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	23	1.05
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	23	1.05
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	23	1.05
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	23	1.05
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	4	1.05
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	4	1.05
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	4	1.05
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	9	1.05
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	9	1.05
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	9	1.05
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	10	1.05
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	10	1.05
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	10	1.05
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	18	1.05
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	18	1.05
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	18	1.05
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	21	1.05
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	21	1.05
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	21	1.05
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	1	1.05
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	9	1.05
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	16	1.05
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	17	1.05
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	20	1.05
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	10	1.05
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	10	1.05
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	9	1.05
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	9	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	13	1.05
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	13	1.05
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	13	1.05
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	19	1.05
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	19	1.05
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	19	1.05
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	14	1.05
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	3	1.05
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	15	1.05
(1,278)	1:66:A:LYS:HG2	1:66:A:LYS:H	21	1.05
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	3	1.05
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	3	1.05
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	8	1.05
(1,209)	1:66:A:LYS:H	1:68:A:ALA:H	3	1.05
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	7	1.05
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	7	1.05
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	7	1.05
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	12	1.05
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	12	1.05
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	12	1.05
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	6	1.05
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	20	1.05
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	19	1.05
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	13	1.05
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	7	1.04
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG21	24	1.04
(1,1722)	1:30:A:LEU:HD22	1:24:A:ILE:HG13	2	1.04
(1,1722)	1:30:A:LEU:HD22	1:24:A:ILE:HG13	11	1.04
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG22	3	1.04
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG21	23	1.04
(1,1567)	1:57:A:VAL:HG12	1:53:A:ASP:HA	6	1.04
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	13	1.04
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	18	1.04
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	3	1.04
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	7	1.04
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	9	1.04
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	12	1.04
(1,1376)	1:27:A:PRO:HB3	1:30:A:LEU:H	16	1.04
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	21	1.04
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	23	1.04
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	6	1.04
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	6	1.04
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	6	1.04
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	6	1.04
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	6	1.04
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	17	1.04
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	17	1.04
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	17	1.04
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	17	1.04
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	17	1.04
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	17	1.04
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	19	1.04
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	19	1.04
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	19	1.04
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	19	1.04
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	19	1.04
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	19	1.04
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	19	1.04
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	19	1.04
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	19	1.04
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	10	1.04
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	10	1.04
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	10	1.04
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	10	1.04
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	10	1.04
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	10	1.04
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	3	1.04
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	3	1.04
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	3	1.04
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	8	1.04
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	8	1.04
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	8	1.04
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	5	1.04
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	5	1.04
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	5	1.04
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	25	1.04
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	25	1.04
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	25	1.04
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	11	1.04
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	11	1.04
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	11	1.04
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	21	1.04
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	21	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	21	1.04
(1,988)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	16	1.04
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	19	1.04
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	19	1.04
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	19	1.04
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	14	1.04
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	14	1.04
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	11	1.04
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	13	1.04
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	13	1.04
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	13	1.04
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	6	1.04
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	12	1.04
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	25	1.04
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	16	1.04
(1,698)	1:25:A:ASN:H	1:23:A:PRO:HB3	2	1.04
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	20	1.04
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	20	1.04
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	16	1.04
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	16	1.04
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	16	1.04
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	22	1.04
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	22	1.04
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	3	1.04
(1,354)	1:35:A:PRO:HD3	1:33:A:ALA:H	23	1.04
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	20	1.04
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	24	1.04
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	20	1.04
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	3	1.04
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	3	1.04
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	3	1.04
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	1	1.04
(1,1778)	1:68:A:ALA:HB1	1:24:A:ILE:HG23	11	1.03
(1,1768)	1:10:A:ARG:HA	1:13:A:ILE:HG22	25	1.03
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG23	17	1.03
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG23	21	1.03
(1,1722)	1:30:A:LEU:HD22	1:24:A:ILE:HG13	14	1.03
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	22	1.03
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG23	7	1.03
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	21	1.03
(1,1606)	1:26:A:SER:H	1:29:A:GLU:HG2	22	1.03
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	25	1.03
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	1	1.03
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	4	1.03
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	12	1.03
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	5	1.03
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	13	1.03
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	13	1.03
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	13	1.03
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	13	1.03
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	13	1.03
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	13	1.03
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG21	19	1.03
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG22	19	1.03
(1,1305)	1:30:A:LEU:HB2	1:40:A:THR:HG23	19	1.03
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG21	19	1.03
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG22	19	1.03
(1,1305)	1:30:A:LEU:HB3	1:40:A:THR:HG23	19	1.03
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	6	1.03
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	6	1.03
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	6	1.03
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	6	1.03
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	6	1.03
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	6	1.03
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	13	1.03
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	13	1.03
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	13	1.03
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	13	1.03
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	13	1.03
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	13	1.03
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	25	1.03
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	25	1.03
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	25	1.03
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	25	1.03
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	25	1.03
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	25	1.03
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	16	1.03
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	16	1.03
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	16	1.03
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	16	1.03
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	16	1.03
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	16	1.03
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	14	1.03
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	14	1.03
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	14	1.03
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	14	1.03
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	14	1.03
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	24	1.03
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	24	1.03
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	24	1.03
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	24	1.03
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	24	1.03
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	24	1.03
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	11	1.03
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	13	1.03
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	13	1.03
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	13	1.03
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	10	1.03
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	10	1.03
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	23	1.03
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	23	1.03
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	23	1.03
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	23	1.03
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	23	1.03
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	23	1.03
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	23	1.03
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	23	1.03
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	23	1.03
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	24	1.03
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	24	1.03
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	24	1.03
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	22	1.03
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	22	1.03
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	22	1.03
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	14	1.03
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	14	1.03
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	14	1.03
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	14	1.03
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	14	1.03
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	14	1.03
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	14	1.03
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	14	1.03
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	14	1.03
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	19	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	19	1.03
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	15	1.03
(1,922)	1:13:A:ILE:HD13	1:10:A:ARG:HB2	22	1.03
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	18	1.03
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	18	1.03
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	18	1.03
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	14	1.03
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	14	1.03
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	14	1.03
(1,799)	1:71:A:VAL:HG21	1:72:A:ALA:HA	8	1.03
(1,799)	1:71:A:VAL:HG22	1:72:A:ALA:HA	8	1.03
(1,799)	1:71:A:VAL:HG23	1:72:A:ALA:HA	8	1.03
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	8	1.03
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	11	1.03
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	14	1.03
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	11	1.03
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	6	1.03
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	6	1.03
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	5	1.03
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	5	1.03
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB2	17	1.03
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	22	1.03
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	20	1.03
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	20	1.03
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	25	1.03
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	25	1.03
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	15	1.03
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	15	1.03
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	15	1.03
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	8	1.03
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	3	1.03
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	13	1.03
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	2	1.03
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	6	1.03
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	11	1.03
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	3	1.03
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	7	1.03
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	7	1.02
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	3	1.02
(1,1722)	1:30:A:LEU:HD21	1:24:A:ILE:HG13	9	1.02
(1,1722)	1:30:A:LEU:HD22	1:24:A:ILE:HG13	13	1.02
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	21	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG12	8	1.02
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG11	15	1.02
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	25	1.02
(1,1543)	1:41:A:THR:HG23	1:39:A:ASP:HB2	12	1.02
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	6	1.02
(1,1516)	1:53:A:ASP:HA	1:57:A:VAL:HG13	3	1.02
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	9	1.02
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	17	1.02
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	17	1.02
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	25	1.02
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	25	1.02
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	25	1.02
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	25	1.02
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	25	1.02
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	25	1.02
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	14	1.02
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	14	1.02
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	14	1.02
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	14	1.02
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	14	1.02
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	14	1.02
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	13	1.02
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	13	1.02
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	13	1.02
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	13	1.02
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	13	1.02
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	13	1.02
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	21	1.02
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	21	1.02
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	21	1.02
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	21	1.02
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	21	1.02
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	21	1.02
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	21	1.02
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	21	1.02
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	21	1.02
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	1	1.02
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	1	1.02
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	1	1.02
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	1	1.02
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	1	1.02
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	17	1.02
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	17	1.02
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	17	1.02
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	17	1.02
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	17	1.02
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	17	1.02
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	17	1.02
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	17	1.02
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	17	1.02
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	22	1.02
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	22	1.02
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	22	1.02
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	22	1.02
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	22	1.02
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	22	1.02
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	22	1.02
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	22	1.02
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	22	1.02
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	18	1.02
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	18	1.02
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	18	1.02
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	18	1.02
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	18	1.02
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	23	1.02
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	23	1.02
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	23	1.02
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	23	1.02
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	23	1.02
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	23	1.02
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	23	1.02
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	23	1.02
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	23	1.02
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	23	1.02
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	23	1.02
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	23	1.02
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	3	1.02
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	8	1.02
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	8	1.02
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	8	1.02
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	2	1.02
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	2	1.02
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	11	1.02
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	20	1.02
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	20	1.02
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	10	1.02
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	10	1.02
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	10	1.02
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	10	1.02
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	10	1.02
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	10	1.02
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	10	1.02
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	10	1.02
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	10	1.02
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	10	1.02
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	19	1.02
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	21	1.02
(1,773)	1:23:A:PRO:HG2	1:64:A:PRO:HA	22	1.02
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	17	1.02
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	4	1.02
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	4	1.02
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	6	1.02
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	6	1.02
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	14	1.02
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	14	1.02
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	14	1.02
(1,423)	1:8:A:ASP:HB3	1:6:A:LYS:H	8	1.02
(1,354)	1:35:A:PRO:HD3	1:33:A:ALA:H	1	1.02
(1,354)	1:35:A:PRO:HD2	1:33:A:ALA:H	18	1.02
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	18	1.02
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	16	1.02
(1,278)	1:66:A:LYS:HG2	1:66:A:LYS:H	13	1.02
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	25	1.02
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	13	1.02
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	13	1.02
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	11	1.02
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	11	1.02
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	11	1.02
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	16	1.02
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	15	1.02
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	10	1.02
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	22	1.02
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	22	1.02
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	22	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	2	1.02
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	4	1.02
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	12	1.02
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	17	1.02
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD11	3	1.01
(1,1786)	1:5:A:VAL:HG22	1:9:A:ILE:HG22	6	1.01
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG23	4	1.01
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG22	14	1.01
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	18	1.01
(1,1752)	1:34:A:LEU:HD13	1:31:A:MET:HE2	13	1.01
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG12	17	1.01
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	8	1.01
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB3	13	1.01
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	15	1.01
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	14	1.01
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	6	1.01
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	8	1.01
(1,1466)	1:62:A:ASP:HB3	1:26:A:SER:H	13	1.01
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	15	1.01
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	16	1.01
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	18	1.01
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	20	1.01
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	23	1.01
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	24	1.01
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	25	1.01
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	22	1.01
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	13	1.01
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	9	1.01
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	9	1.01
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	9	1.01
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	9	1.01
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	9	1.01
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	9	1.01
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	8	1.01
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	8	1.01
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	8	1.01
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	8	1.01
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	8	1.01
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	8	1.01
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	11	1.01
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	11	1.01
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	11	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	11	1.01
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	11	1.01
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	11	1.01
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	13	1.01
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	13	1.01
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	13	1.01
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	13	1.01
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	13	1.01
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	13	1.01
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	18	1.01
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	18	1.01
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	18	1.01
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	18	1.01
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	18	1.01
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	18	1.01
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	19	1.01
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	19	1.01
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	19	1.01
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	19	1.01
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	19	1.01
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	19	1.01
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	18	1.01
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	18	1.01
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	18	1.01
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	14	1.01
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD21	22	1.01
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD22	22	1.01
(1,1030)	1:14:A:ILE:HA	1:17:A:LEU:HD23	22	1.01
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	22	1.01
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	22	1.01
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	22	1.01
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	18	1.01
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	25	1.01
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	25	1.01
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	25	1.01
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	25	1.01
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	25	1.01
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	25	1.01
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	25	1.01
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	25	1.01
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	25	1.01
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	19	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	19	1.01
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	21	1.01
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	4	1.01
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	4	1.01
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	15	1.01
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	15	1.01
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	10	1.01
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	16	1.01
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	8	1.01
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	3	1.01
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	3	1.01
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	3	1.01
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	20	1.01
(1,184)	1:27:A:PRO:HB2	1:26:A:SER:H	22	1.01
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	15	1.01
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	25	1.01
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	13	1.01
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	13	1.01
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	13	1.01
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	15	1.01
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	20	1.01
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	20	1.01
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	20	1.01
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	2	1.01
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	2	1.01
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	19	1.01
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD11	23	1.0
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	23	1.0
(1,1695)	1:68:A:ALA:HB3	1:71:A:VAL:HG22	5	1.0
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG23	14	1.0
(1,1647)	1:71:A:VAL:HG11	1:62:A:ASP:HB3	14	1.0
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	2	1.0
(1,1399)	1:8:A:ASP:H	1:6:A:LYS:H	23	1.0
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	14	1.0
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	25	1.0
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	10	1.0
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	6	1.0
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	6	1.0
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	6	1.0
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	6	1.0
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	6	1.0
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	9	1.0
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	9	1.0
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	9	1.0
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	9	1.0
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	9	1.0
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	9	1.0
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	25	1.0
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	25	1.0
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	25	1.0
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	25	1.0
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	25	1.0
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	25	1.0
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	19	1.0
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	19	1.0
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	19	1.0
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	10	1.0
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	20	1.0
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	20	1.0
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	20	1.0
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	20	1.0
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	20	1.0
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	20	1.0
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	20	1.0
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	20	1.0
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	20	1.0
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	4	1.0
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	4	1.0
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	4	1.0
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	22	1.0
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	15	1.0
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	15	1.0
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	15	1.0
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	15	1.0
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	15	1.0
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	15	1.0
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	15	1.0
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	15	1.0
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	15	1.0
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	8	1.0
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	8	1.0
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	8	1.0
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	7	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB2	11	1.0
(1,910)	1:48:A:GLU:H	1:44:A:SER:HB3	11	1.0
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	13	1.0
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	13	1.0
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	9	1.0
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG2	16	1.0
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG2	16	1.0
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	8	1.0
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	14	1.0
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	20	1.0
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	20	1.0
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	20	1.0
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	7	1.0
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	7	1.0
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	7	1.0
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	20	1.0
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	6	1.0
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	16	1.0
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	23	1.0
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	23	1.0
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	23	1.0
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD12	7	0.99
(1,1818)	1:27:A:PRO:HB3	1:65:A:PHE:HD2	9	0.99
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE2	14	0.99
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	19	0.99
(1,1786)	1:5:A:VAL:HG22	1:9:A:ILE:HG23	5	0.99
(1,1786)	1:5:A:VAL:HG23	1:9:A:ILE:HG22	10	0.99
(1,1786)	1:5:A:VAL:HG23	1:9:A:ILE:HG23	11	0.99
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG21	1	0.99
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG21	8	0.99
(1,1778)	1:68:A:ALA:HB1	1:24:A:ILE:HG22	10	0.99
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG22	4	0.99
(1,1621)	1:75:A:ILE:HG21	1:76:A:VAL:HG13	25	0.99
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	4	0.99
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	7	0.99
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	22	0.99
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	11	0.99
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	19	0.99
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	11	0.99
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	15	0.99
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	14	0.99
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	25	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	22	0.99
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	22	0.99
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	22	0.99
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	1	0.99
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	1	0.99
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	1	0.99
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	1	0.99
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	1	0.99
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	1	0.99
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	20	0.99
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	20	0.99
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	20	0.99
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	20	0.99
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	20	0.99
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	20	0.99
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	21	0.99
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	21	0.99
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	21	0.99
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	21	0.99
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	21	0.99
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	21	0.99
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	24	0.99
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	24	0.99
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	24	0.99
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	24	0.99
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	24	0.99
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	24	0.99
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	4	0.99
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	4	0.99
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	4	0.99
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	23	0.99
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	7	0.99
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	7	0.99
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	7	0.99
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	12	0.99
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	12	0.99
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	12	0.99
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	2	0.99
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	2	0.99
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	2	0.99
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	2	0.99
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	2	0.99
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	2	0.99
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	2	0.99
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	2	0.99
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	4	0.99
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	4	0.99
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	4	0.99
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	4	0.99
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	4	0.99
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	4	0.99
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	4	0.99
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	4	0.99
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	4	0.99
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	17	0.99
(1,852)	1:66:A:LYS:HG2	1:62:A:ASP:HA	22	0.99
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	3	0.99
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	3	0.99
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	3	0.99
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	3	0.99
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	3	0.99
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	3	0.99
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	3	0.99
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	3	0.99
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	3	0.99
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	21	0.99
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	21	0.99
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	21	0.99
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	21	0.99
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	21	0.99
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	21	0.99
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	21	0.99
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	21	0.99
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	21	0.99
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	17	0.99
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	13	0.99
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	23	0.99
(1,354)	1:35:A:PRO:HD3	1:33:A:ALA:H	8	0.99
(1,341)	1:31:A:MET:HE2	1:28:A:GLU:H	24	0.99
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	19	0.99
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	2	0.99
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	2	0.99
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	22	0.99
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	9	0.99
(1,146)	1:48:A:GLU:HB2	1:41:A:THR:H	13	0.99
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	16	0.99
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	16	0.99
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	10	0.99
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	5	0.98
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	6	0.98
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	12	0.98
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	19	0.98
(1,1786)	1:5:A:VAL:HG22	1:9:A:ILE:HG23	2	0.98
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	19	0.98
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	21	0.98
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	14	0.98
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	24	0.98
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	10	0.98
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	16	0.98
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	5	0.98
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	14	0.98
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	4	0.98
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	1	0.98
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	1	0.98
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	1	0.98
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	1	0.98
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	1	0.98
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	1	0.98
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	13	0.98
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	13	0.98
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	13	0.98
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	12	0.98
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	12	0.98
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	12	0.98
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	12	0.98
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	12	0.98
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	12	0.98
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	20	0.98
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	20	0.98
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	20	0.98
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	20	0.98
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	20	0.98
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	20	0.98
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	20	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	20	0.98
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	20	0.98
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	7	0.98
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	7	0.98
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	7	0.98
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	7	0.98
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	7	0.98
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	7	0.98
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	17	0.98
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	17	0.98
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	17	0.98
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	15	0.98
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	15	0.98
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	15	0.98
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	4	0.98
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	4	0.98
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	4	0.98
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	4	0.98
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	4	0.98
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	4	0.98
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	20	0.98
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	20	0.98
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	20	0.98
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	8	0.98
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	8	0.98
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	9	0.98
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	9	0.98
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	15	0.98
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	15	0.98
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB2	24	0.98
(1,892)	1:76:A:VAL:HG21	1:73:A:ASP:HB3	24	0.98
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB2	24	0.98
(1,892)	1:76:A:VAL:HG22	1:73:A:ASP:HB3	24	0.98
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB2	24	0.98
(1,892)	1:76:A:VAL:HG23	1:73:A:ASP:HB3	24	0.98
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	16	0.98
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	16	0.98
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	16	0.98
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	16	0.98
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	16	0.98
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	16	0.98
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	16	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	16	0.98
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	16	0.98
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	13	0.98
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	13	0.98
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	13	0.98
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	4	0.98
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	22	0.98
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	24	0.98
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	24	0.98
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	10	0.98
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	10	0.98
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	5	0.98
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	16	0.98
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	16	0.98
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	1	0.98
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	1	0.98
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	1	0.98
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	3	0.98
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	14	0.98
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	25	0.98
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	7	0.98
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	13	0.98
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	13	0.98
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	21	0.98
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	14	0.98
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	18	0.98
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	18	0.98
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	18	0.98
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	15	0.98
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	15	0.98
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	15	0.98
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	24	0.98
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	24	0.98
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	24	0.98
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	11	0.98
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	21	0.98
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	16	0.97
(1,1752)	1:34:A:LEU:HD12	1:31:A:MET:HE2	24	0.97
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG11	12	0.97
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG11	11	0.97
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	4	0.97
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	13	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	19	0.97
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	6	0.97
(1,1495)	1:64:A:PRO:HB3	1:65:A:PHE:H	4	0.97
(1,1489)	1:49:A:LEU:HD23	1:46:A:ASP:H	22	0.97
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	13	0.97
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	14	0.97
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	20	0.97
(1,1446)	1:10:A:ARG:HD2	1:71:A:VAL:H	12	0.97
(1,1399)	1:8:A:ASP:H	1:6:A:LYS:H	20	0.97
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	22	0.97
(1,1356)	1:47:A:VAL:HG11	1:46:A:ASP:H	12	0.97
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	19	0.97
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	19	0.97
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	19	0.97
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	19	0.97
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	19	0.97
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	19	0.97
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	2	0.97
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	2	0.97
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	2	0.97
(1,1076)	1:17:A:LEU:HB3	1:14:A:ILE:HA	23	0.97
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	21	0.97
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	21	0.97
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	6	0.97
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	6	0.97
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	6	0.97
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	15	0.97
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	15	0.97
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	15	0.97
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	25	0.97
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	25	0.97
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	25	0.97
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	19	0.97
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	19	0.97
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	19	0.97
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	19	0.97
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	19	0.97
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	19	0.97
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	6	0.97
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	6	0.97
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	12	0.97
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	10	0.97
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	10	0.97
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	10	0.97
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG21	5	0.97
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG22	5	0.97
(1,785)	1:44:A:SER:H	1:47:A:VAL:HG23	5	0.97
(1,723)	1:4:A:GLY:HA2	1:7:A:GLU:HB3	22	0.97
(1,723)	1:4:A:GLY:HA3	1:7:A:GLU:HB3	22	0.97
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	13	0.97
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	13	0.97
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	15	0.97
(1,33)	1:10:A:ARG:HD3	1:8:A:ASP:H	5	0.97
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD11	15	0.96
(1,1786)	1:76:A:VAL:HG22	1:75:A:ILE:HG21	9	0.96
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG23	22	0.96
(1,1752)	1:34:A:LEU:HD12	1:31:A:MET:HE2	4	0.96
(1,1695)	1:68:A:ALA:HB2	1:71:A:VAL:HG23	22	0.96
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	2	0.96
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	13	0.96
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	14	0.96
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	20	0.96
(1,1489)	1:49:A:LEU:HD21	1:46:A:ASP:H	15	0.96
(1,1396)	1:81:A:LEU:HD11	1:7:A:GLU:H	15	0.96
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	3	0.96
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	5	0.96
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	16	0.96
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	18	0.96
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	18	0.96
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	18	0.96
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	18	0.96
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	18	0.96
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	18	0.96
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	23	0.96
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD21	16	0.96
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD22	16	0.96
(1,1040)	1:72:A:ALA:HA	1:58:A:LEU:HD23	16	0.96
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	25	0.96
(1,959)	1:22:A:PHE:HB2	1:20:A:ALA:HB3	13	0.96
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	11	0.96
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	10	0.96
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	10	0.96
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	24	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	24	0.96
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	25	0.96
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	25	0.96
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	24	0.96
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	25	0.96
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	25	0.96
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	23	0.96
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	23	0.96
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	23	0.96
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	6	0.96
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	22	0.96
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	19	0.96
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	19	0.96
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	20	0.96
(1,185)	1:9:A:ILE:HD11	1:7:A:GLU:H	14	0.96
(1,185)	1:9:A:ILE:HD12	1:7:A:GLU:H	14	0.96
(1,185)	1:9:A:ILE:HD13	1:7:A:GLU:H	14	0.96
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	8	0.96
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	8	0.96
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	8	0.96
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	16	0.96
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	16	0.96
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	16	0.96
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	21	0.96
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	21	0.96
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	21	0.96
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	17	0.96
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	5	0.96
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	7	0.96
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	7	0.96
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	7	0.96
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	14	0.96
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	14	0.96
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	14	0.96
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	1	0.95
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	10	0.95
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	13	0.95
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG21	2	0.95
(1,1695)	1:68:A:ALA:HB1	1:71:A:VAL:HG22	10	0.95
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	1	0.95
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	10	0.95
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	19	0.95
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	11	0.95
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	3	0.95
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	3	0.95
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	3	0.95
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	3	0.95
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	3	0.95
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	3	0.95
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	15	0.95
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	15	0.95
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	15	0.95
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	15	0.95
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	15	0.95
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	15	0.95
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	6	0.95
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	6	0.95
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	6	0.95
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	6	0.95
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	6	0.95
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	6	0.95
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	17	0.95
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	17	0.95
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	17	0.95
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	17	0.95
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	17	0.95
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	17	0.95
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	6	0.95
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	6	0.95
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	6	0.95
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	6	0.95
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	6	0.95
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	6	0.95
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	6	0.95
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	6	0.95
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	6	0.95
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	4	0.95
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	4	0.95
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	4	0.95
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	4	0.95
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	4	0.95
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	4	0.95
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	21	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	21	0.95
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	21	0.95
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	21	0.95
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	21	0.95
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	21	0.95
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	21	0.95
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	21	0.95
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	21	0.95
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	25	0.95
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	25	0.95
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	25	0.95
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	25	0.95
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	25	0.95
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	25	0.95
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	25	0.95
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	25	0.95
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	25	0.95
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	13	0.95
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	13	0.95
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	13	0.95
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	17	0.95
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	17	0.95
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	17	0.95
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	18	0.95
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	18	0.95
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	18	0.95
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	25	0.95
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	25	0.95
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	25	0.95
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	25	0.95
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	25	0.95
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	25	0.95
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	1	0.95
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	1	0.95
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	1	0.95
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	1	0.95
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	1	0.95
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	1	0.95
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	1	0.95
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	1	0.95
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	1	0.95
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	14	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	14	0.95
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	14	0.95
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	14	0.95
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	14	0.95
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	14	0.95
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	14	0.95
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	14	0.95
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	14	0.95
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	22	0.95
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	9	0.95
(1,552)	1:57:A:VAL:HG21	1:51:A:ALA:HA	16	0.95
(1,552)	1:57:A:VAL:HG22	1:51:A:ALA:HA	16	0.95
(1,552)	1:57:A:VAL:HG23	1:51:A:ALA:HA	16	0.95
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	20	0.95
(1,354)	1:35:A:PRO:HD3	1:33:A:ALA:H	24	0.95
(1,292)	1:6:A:LYS:HB2	1:4:A:GLY:H	1	0.95
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	24	0.95
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	8	0.95
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	8	0.95
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	23	0.95
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	15	0.95
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	9	0.95
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	22	0.95
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	1	0.95
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	5	0.95
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	7	0.95
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	17	0.95
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD12	2	0.94
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE1	4	0.94
(1,1786)	1:76:A:VAL:HG23	1:75:A:ILE:HG22	4	0.94
(1,1786)	1:76:A:VAL:HG22	1:75:A:ILE:HG23	14	0.94
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG23	7	0.94
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	9	0.94
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	9	0.94
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	9	0.94
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	17	0.94
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	2	0.94
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	11	0.94
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	5	0.94
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	5	0.94
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	5	0.94
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	5	0.94
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	5	0.94
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	11	0.94
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	11	0.94
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	11	0.94
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	11	0.94
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	11	0.94
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	11	0.94
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	21	0.94
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	21	0.94
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	21	0.94
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	21	0.94
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	21	0.94
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	21	0.94
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	8	0.94
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	8	0.94
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	8	0.94
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	8	0.94
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	8	0.94
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	8	0.94
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	21	0.94
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	21	0.94
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	21	0.94
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	21	0.94
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	21	0.94
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	21	0.94
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	9	0.94
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	9	0.94
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	9	0.94
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	9	0.94
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	9	0.94
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	9	0.94
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	10	0.94
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	10	0.94
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	10	0.94
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	10	0.94
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	10	0.94
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	10	0.94
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	10	0.94
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	10	0.94
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	10	0.94
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	12	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	12	0.94
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	12	0.94
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	12	0.94
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	12	0.94
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	12	0.94
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	12	0.94
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	12	0.94
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	12	0.94
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	7	0.94
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	7	0.94
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	7	0.94
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	7	0.94
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	7	0.94
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	7	0.94
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	7	0.94
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	7	0.94
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	7	0.94
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	1	0.94
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	22	0.94
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	22	0.94
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	8	0.94
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	8	0.94
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	8	0.94
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	2	0.94
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	2	0.94
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	2	0.94
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	23	0.94
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	1	0.94
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	1	0.94
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	3	0.94
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	3	0.94
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	4	0.94
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	4	0.94
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	18	0.94
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	18	0.94
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	23	0.94
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	23	0.94
(1,792)	1:4:A:GLY:HA2	1:7:A:GLU:HG3	1	0.94
(1,792)	1:4:A:GLY:HA3	1:7:A:GLU:HG3	1	0.94
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	15	0.94
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	8	0.94
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	7	0.94
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	13	0.94
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	15	0.94
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	15	0.94
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	15	0.94
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	16	0.94
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	16	0.94
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	16	0.94
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	20	0.94
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	20	0.94
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	20	0.94
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	22	0.94
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	22	0.94
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	22	0.94
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	7	0.94
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	8	0.94
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	24	0.94
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	6	0.94
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	6	0.94
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	24	0.94
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	14	0.94
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	13	0.94
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	10	0.94
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	10	0.94
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	10	0.94
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	18	0.94
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	3	0.94
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	4	0.94
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	13	0.94
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	14	0.94
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	7	0.94
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	7	0.94
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	7	0.94
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	8	0.94
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	8	0.94
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	8	0.94
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	13	0.94
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	13	0.94
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	6	0.93
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	12	0.93
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	19	0.93
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	11	0.93
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	17	0.93
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	4	0.93
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE2	10	0.93
(1,1786)	1:5:A:VAL:HG22	1:9:A:ILE:HG21	16	0.93
(1,1786)	1:5:A:VAL:HG22	1:9:A:ILE:HG23	23	0.93
(1,1767)	1:10:A:ARG:HA	1:13:A:ILE:HG22	25	0.93
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	20	0.93
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG13	6	0.93
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	1	0.93
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	23	0.93
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB1	24	0.93
(1,1496)	1:66:A:LYS:HB3	1:65:A:PHE:H	13	0.93
(1,1489)	1:49:A:LEU:HD23	1:46:A:ASP:H	18	0.93
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	21	0.93
(1,1466)	1:29:A:GLU:HG2	1:26:A:SER:H	22	0.93
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	15	0.93
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	16	0.93
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	16	0.93
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	16	0.93
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	16	0.93
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	16	0.93
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	16	0.93
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	22	0.93
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	22	0.93
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	22	0.93
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	22	0.93
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	22	0.93
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	22	0.93
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	15	0.93
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	15	0.93
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	15	0.93
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	15	0.93
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	15	0.93
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	15	0.93
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	2	0.93
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	2	0.93
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	2	0.93
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	2	0.93
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	2	0.93
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	2	0.93
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	2	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	2	0.93
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	2	0.93
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	25	0.93
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	25	0.93
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	25	0.93
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	25	0.93
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	25	0.93
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	25	0.93
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	25	0.93
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	25	0.93
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	25	0.93
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	1	0.93
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	1	0.93
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	1	0.93
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	1	0.93
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	1	0.93
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	1	0.93
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	1	0.93
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	1	0.93
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	1	0.93
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	13	0.93
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	13	0.93
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	9	0.93
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	9	0.93
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	9	0.93
(1,922)	1:13:A:ILE:HD11	1:10:A:ARG:HB2	3	0.93
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	16	0.93
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	16	0.93
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	16	0.93
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	16	0.93
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	16	0.93
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	16	0.93
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	22	0.93
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	22	0.93
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	4	0.93
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	7	0.93
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB2	14	0.93
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB2	14	0.93
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	10	0.93
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	10	0.93
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	10	0.93
(1,797)	1:75:A:ILE:HG13	1:72:A:ALA:HA	16	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	23	0.93
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	21	0.93
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	21	0.93
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	21	0.93
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	22	0.93
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	22	0.93
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	22	0.93
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	12	0.93
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	12	0.93
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	12	0.93
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	3	0.93
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	10	0.93
(1,423)	1:8:A:ASP:HB3	1:6:A:LYS:H	18	0.93
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	9	0.93
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	5	0.93
(1,222)	1:79:A:ALA:HB1	1:76:A:VAL:H	22	0.93
(1,222)	1:79:A:ALA:HB2	1:76:A:VAL:H	22	0.93
(1,222)	1:79:A:ALA:HB3	1:76:A:VAL:H	22	0.93
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	15	0.93
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	15	0.93
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	15	0.93
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	1	0.93
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	8	0.93
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	10	0.93
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	16	0.93
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	24	0.93
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	4	0.93
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	4	0.93
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	4	0.93
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	11	0.93
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	11	0.93
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	11	0.93
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	25	0.93
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	25	0.93
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	25	0.93
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	24	0.93
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	24	0.93
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	5	0.92
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	20	0.92
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	25	0.92
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD11	19	0.92
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG21	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:68:A:ALA:HB2	1:24:A:ILE:HG23	17	0.92
(1,1778)	1:68:A:ALA:HB3	1:24:A:ILE:HG21	21	0.92
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD23	19	0.92
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	18	0.92
(1,1647)	1:71:A:VAL:HG12	1:62:A:ASP:HB3	10	0.92
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	10	0.92
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	5	0.92
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	4	0.92
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	7	0.92
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	1	0.92
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	17	0.92
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	12	0.92
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	14	0.92
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	8	0.92
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	8	0.92
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	8	0.92
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	8	0.92
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	8	0.92
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	8	0.92
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	12	0.92
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	12	0.92
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	12	0.92
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD21	2	0.92
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD22	2	0.92
(1,1292)	1:71:A:VAL:HG21	1:58:A:LEU:HD23	2	0.92
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD21	2	0.92
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD22	2	0.92
(1,1292)	1:71:A:VAL:HG22	1:58:A:LEU:HD23	2	0.92
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD21	2	0.92
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD22	2	0.92
(1,1292)	1:71:A:VAL:HG23	1:58:A:LEU:HD23	2	0.92
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	7	0.92
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	7	0.92
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	7	0.92
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	7	0.92
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	7	0.92
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	7	0.92
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	10	0.92
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	10	0.92
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	10	0.92
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	10	0.92
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	10	0.92
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	18	0.92
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	18	0.92
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	18	0.92
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	18	0.92
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	18	0.92
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	18	0.92
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	12	0.92
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	12	0.92
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	12	0.92
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	12	0.92
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	12	0.92
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	12	0.92
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	8	0.92
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	8	0.92
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	8	0.92
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	8	0.92
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	8	0.92
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	8	0.92
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	8	0.92
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	8	0.92
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	8	0.92
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	17	0.92
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	17	0.92
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	17	0.92
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	17	0.92
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	17	0.92
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	17	0.92
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	17	0.92
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	17	0.92
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	17	0.92
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	2	0.92
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	2	0.92
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	2	0.92
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB3	9	0.92
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB3	9	0.92
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	3	0.92
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	3	0.92
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	3	0.92
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	3	0.92
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	3	0.92
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	3	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	3	0.92
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	3	0.92
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	3	0.92
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	12	0.92
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	12	0.92
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	12	0.92
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	25	0.92
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	25	0.92
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	15	0.92
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	15	0.92
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	15	0.92
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	25	0.92
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	25	0.92
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	25	0.92
(1,988)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	11	0.92
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	11	0.92
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	11	0.92
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	11	0.92
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	19	0.92
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	16	0.92
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	16	0.92
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	16	0.92
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	20	0.92
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	21	0.92
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	3	0.92
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	16	0.92
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	20	0.92
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	7	0.92
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	1	0.92
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	5	0.92
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	12	0.92
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	13	0.92
(1,423)	1:8:A:ASP:HB3	1:6:A:LYS:H	15	0.92
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	19	0.92
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	9	0.92
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	2	0.92
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	7	0.92
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	11	0.92
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	17	0.92
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	24	0.92
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	14	0.92
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	2	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	13	0.92
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	13	0.92
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	13	0.92
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	1	0.91
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	13	0.91
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	2	0.91
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	14	0.91
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	18	0.91
(1,1786)	1:76:A:VAL:HG23	1:75:A:ILE:HG22	7	0.91
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD21	25	0.91
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG11	11	0.91
(1,1621)	1:75:A:ILE:HG21	1:76:A:VAL:HG12	20	0.91
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	8	0.91
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	18	0.91
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	24	0.91
(1,1356)	1:47:A:VAL:HG11	1:46:A:ASP:H	11	0.91
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	25	0.91
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	9	0.91
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	9	0.91
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	9	0.91
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	9	0.91
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	9	0.91
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	9	0.91
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	11	0.91
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	11	0.91
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	11	0.91
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	11	0.91
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	11	0.91
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	11	0.91
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	21	0.91
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	21	0.91
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	21	0.91
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	21	0.91
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	21	0.91
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	21	0.91
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	5	0.91
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	5	0.91
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	5	0.91
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	5	0.91
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	5	0.91
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	5	0.91
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	5	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	5	0.91
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	5	0.91
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	2	0.91
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	2	0.91
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	2	0.91
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	2	0.91
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	2	0.91
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	2	0.91
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	2	0.91
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	2	0.91
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	2	0.91
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	2	0.91
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	14	0.91
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	14	0.91
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	14	0.91
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	14	0.91
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	14	0.91
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	14	0.91
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	14	0.91
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	14	0.91
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	14	0.91
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	12	0.91
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	14	0.91
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	14	0.91
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	14	0.91
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	16	0.91
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	16	0.91
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	16	0.91
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	6	0.91
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	6	0.91
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	6	0.91
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	6	0.91
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	6	0.91
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	6	0.91
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	6	0.91
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	6	0.91
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	6	0.91
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	10	0.91
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	16	0.91
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	7	0.91
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	7	0.91
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	21	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	21	0.91
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	5	0.91
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	20	0.91
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	20	0.91
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	20	0.91
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	20	0.91
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	20	0.91
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	20	0.91
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	20	0.91
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	20	0.91
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	20	0.91
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	24	0.91
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	18	0.91
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	18	0.91
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	18	0.91
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	21	0.91
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	21	0.91
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	21	0.91
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	16	0.91
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	9	0.91
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	4	0.91
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	6	0.91
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	10	0.91
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	7	0.91
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	8	0.91
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	19	0.91
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	12	0.91
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	6	0.91
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	6	0.91
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	17	0.91
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	17	0.91
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	10	0.9
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	16	0.9
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	9	0.9
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	21	0.9
(1,1786)	1:76:A:VAL:HG23	1:75:A:ILE:HG23	15	0.9
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	25	0.9
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD21	7	0.9
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	18	0.9
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	10	0.9
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	5	0.9
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	7	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	24	0.9
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	1	0.9
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	4	0.9
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	11	0.9
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	12	0.9
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	23	0.9
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	17	0.9
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	24	0.9
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	20	0.9
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	20	0.9
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	20	0.9
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	20	0.9
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	20	0.9
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	20	0.9
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	4	0.9
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	4	0.9
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	4	0.9
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	4	0.9
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	4	0.9
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	4	0.9
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	4	0.9
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	4	0.9
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	4	0.9
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	23	0.9
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	23	0.9
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	23	0.9
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	23	0.9
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	23	0.9
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	23	0.9
(1,1167)	1:22:A:PHE:HD1	1:21:A:ASP:HA	22	0.9
(1,1167)	1:22:A:PHE:HD2	1:21:A:ASP:HA	22	0.9
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	10	0.9
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	10	0.9
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	10	0.9
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	10	0.9
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	10	0.9
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	10	0.9
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	10	0.9
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	10	0.9
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	10	0.9
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	16	0.9
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	16	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	16	0.9
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG2	25	0.9
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG3	25	0.9
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG2	25	0.9
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG3	25	0.9
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG2	25	0.9
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG3	25	0.9
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	1	0.9
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	1	0.9
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	1	0.9
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	3	0.9
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	3	0.9
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	3	0.9
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	15	0.9
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	5	0.9
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	5	0.9
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	3	0.9
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	13	0.9
(1,681)	1:37:A:GLY:HA2	1:33:A:ALA:HB2	7	0.9
(1,681)	1:37:A:GLY:HA3	1:33:A:ALA:HB2	7	0.9
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	4	0.9
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	13	0.9
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	13	0.9
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	13	0.9
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	25	0.9
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	25	0.9
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	25	0.9
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	2	0.9
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	4	0.9
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	11	0.9
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	24	0.9
(1,367)	1:41:A:THR:HA	1:12:A:GLN:HE22	10	0.9
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	12	0.9
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	20	0.9
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	9	0.9
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	9	0.9
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	15	0.9
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	14	0.9
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	14	0.9
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	14	0.9
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	19	0.9
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	19	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	19	0.9
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	6	0.9
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	11	0.9
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	15	0.9
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	17	0.89
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	23	0.89
(1,1854)	1:76:A:VAL:HG22	1:13:A:ILE:HD12	21	0.89
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE2	18	0.89
(1,1786)	1:5:A:VAL:HG22	1:9:A:ILE:HG23	18	0.89
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG13	14	0.89
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG12	24	0.89
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	23	0.89
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG12	25	0.89
(1,1647)	1:71:A:VAL:HG13	1:62:A:ASP:HB3	4	0.89
(1,1647)	1:71:A:VAL:HG12	1:62:A:ASP:HB3	19	0.89
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	24	0.89
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	23	0.89
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	5	0.89
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	18	0.89
(1,1356)	1:47:A:VAL:HG13	1:46:A:ASP:H	14	0.89
(1,1356)	1:47:A:VAL:HG12	1:46:A:ASP:H	24	0.89
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	2	0.89
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	5	0.89
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	5	0.89
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	5	0.89
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	5	0.89
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	5	0.89
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	5	0.89
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	2	0.89
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	2	0.89
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	2	0.89
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	2	0.89
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	2	0.89
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	2	0.89
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	24	0.89
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	24	0.89
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	24	0.89
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	24	0.89
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	24	0.89
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	24	0.89
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	13	0.89
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	13	0.89
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	13	0.89
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	13	0.89
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	13	0.89
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	13	0.89
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	13	0.89
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	13	0.89
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	11	0.89
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	11	0.89
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	11	0.89
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	11	0.89
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	11	0.89
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	11	0.89
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	11	0.89
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	11	0.89
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	11	0.89
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	13	0.89
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	13	0.89
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	13	0.89
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	12	0.89
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	12	0.89
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	12	0.89
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	12	0.89
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	12	0.89
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	12	0.89
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	12	0.89
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	12	0.89
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	12	0.89
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	3	0.89
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	3	0.89
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	3	0.89
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	3	0.89
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	3	0.89
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	3	0.89
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD11	22	0.89
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD12	22	0.89
(1,1035)	1:24:A:ILE:HD11	1:14:A:ILE:HD13	22	0.89
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD11	22	0.89
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD12	22	0.89
(1,1035)	1:24:A:ILE:HD12	1:14:A:ILE:HD13	22	0.89
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD11	22	0.89
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD12	22	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:24:A:ILE:HD13	1:14:A:ILE:HD13	22	0.89
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	5	0.89
(1,926)	1:10:A:ARG:HD2	1:7:A:GLU:HG3	11	0.89
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	9	0.89
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	22	0.89
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	22	0.89
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	22	0.89
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	22	0.89
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	22	0.89
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	22	0.89
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	22	0.89
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	22	0.89
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	22	0.89
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	19	0.89
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	19	0.89
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	19	0.89
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	9	0.89
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	22	0.89
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	10	0.89
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	17	0.89
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	12	0.89
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	13	0.89
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	2	0.89
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	4	0.89
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	17	0.89
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	3	0.89
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	2	0.89
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	2	0.89
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	4	0.89
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	8	0.89
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	17	0.89
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	11	0.89
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	11	0.89
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	11	0.89
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	17	0.89
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	17	0.89
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	17	0.89
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	20	0.89
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	20	0.89
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	20	0.89
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	22	0.89
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	22	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	22	0.89
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	25	0.89
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	25	0.89
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	25	0.89
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	10	0.89
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	21	0.89
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	25	0.89
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	15	0.89
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	15	0.89
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	15	0.89
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	20	0.89
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	20	0.89
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	20	0.89
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	19	0.89
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	25	0.89
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	2	0.89
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	2	0.89
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	2	0.89
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	23	0.89
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	23	0.89
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	23	0.89
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	12	0.89
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	12	0.89
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	14	0.89
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	11	0.88
(1,1814)	1:71:A:VAL:HB	1:65:A:PHE:HE2	23	0.88
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG12	2	0.88
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	7	0.88
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	6	0.88
(1,1621)	1:13:A:ILE:HD13	1:76:A:VAL:HG11	15	0.88
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	3	0.88
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	9	0.88
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	21	0.88
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	25	0.88
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	7	0.88
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	21	0.88
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	21	0.88
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	10	0.88
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	11	0.88
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	14	0.88
(1,1356)	1:47:A:VAL:HG12	1:46:A:ASP:H	2	0.88
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	24	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	3	0.88
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	14	0.88
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	14	0.88
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	14	0.88
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	14	0.88
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	14	0.88
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	14	0.88
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	17	0.88
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	17	0.88
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	17	0.88
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	17	0.88
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	17	0.88
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	17	0.88
(1,1179)	1:63:A:PHE:HD1	1:60:A:ALA:HB2	18	0.88
(1,1179)	1:63:A:PHE:HD2	1:60:A:ALA:HB2	18	0.88
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	13	0.88
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	13	0.88
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	13	0.88
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	13	0.88
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	13	0.88
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	13	0.88
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	13	0.88
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	13	0.88
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	13	0.88
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	10	0.88
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	5	0.88
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	5	0.88
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	5	0.88
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	5	0.88
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	5	0.88
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	5	0.88
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	5	0.88
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	5	0.88
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	5	0.88
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	13	0.88
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	13	0.88
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	13	0.88
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	14	0.88
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	14	0.88
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	14	0.88
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	17	0.88
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	1	0.88
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD13	4	0.88
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD13	4	0.88
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD13	4	0.88
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	17	0.88
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	17	0.88
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	17	0.88
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	17	0.88
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	1	0.88
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	9	0.88
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	19	0.88
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	20	0.88
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	21	0.88
(1,255)	1:65:A:PHE:HE1	1:67:A:SER:H	18	0.88
(1,255)	1:65:A:PHE:HE2	1:67:A:SER:H	18	0.88
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	25	0.88
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	25	0.88
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	5	0.88
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	5	0.88
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	5	0.88
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	20	0.88
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	22	0.88
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	4	0.87
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	14	0.87
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	25	0.87
(1,1850)	1:76:A:VAL:HG13	1:75:A:ILE:HG23	23	0.87
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD13	12	0.87
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG22	25	0.87
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	15	0.87
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	6	0.87
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	9	0.87
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	5	0.87
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	5	0.87
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	5	0.87
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	5	0.87
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	5	0.87
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	5	0.87
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	16	0.87
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	16	0.87
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	16	0.87
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	16	0.87
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	16	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	16	0.87
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	16	0.87
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	16	0.87
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	16	0.87
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	3	0.87
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	3	0.87
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	3	0.87
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	22	0.87
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	22	0.87
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	22	0.87
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	11	0.87
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	11	0.87
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	11	0.87
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	24	0.87
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	24	0.87
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	24	0.87
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	12	0.87
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	18	0.87
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	23	0.87
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	2	0.87
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	2	0.87
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	2	0.87
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	2	0.87
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	2	0.87
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	2	0.87
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	2	0.87
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	2	0.87
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	2	0.87
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	8	0.87
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	4	0.87
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	4	0.87
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	4	0.87
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	8	0.87
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	8	0.87
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	8	0.87
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	21	0.87
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	21	0.87
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	21	0.87
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	23	0.87
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	23	0.87
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	23	0.87
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	12	0.87
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	17	0.87
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	22	0.87
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	4	0.87
(1,378)	1:33:A:ALA:HA	1:36:A:ASN:HD21	5	0.87
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	14	0.87
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	7	0.87
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	20	0.87
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	20	0.87
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	4	0.87
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	4	0.87
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	4	0.87
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	7	0.87
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	7	0.87
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	7	0.87
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	14	0.87
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	2	0.87
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	18	0.87
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	9	0.87
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	9	0.87
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	2	0.86
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	24	0.86
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG23	6	0.86
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	19	0.86
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG12	13	0.86
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG11	16	0.86
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG12	21	0.86
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	23	0.86
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	3	0.86
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	12	0.86
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB1	11	0.86
(1,1493)	1:66:A:LYS:HD3	1:66:A:LYS:H	21	0.86
(1,1477)	1:9:A:ILE:HG23	1:8:A:ASP:H	6	0.86
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	2	0.86
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	23	0.86
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	1	0.86
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	10	0.86
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	10	0.86
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	10	0.86
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	10	0.86
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	10	0.86
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	10	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	8	0.86
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	8	0.86
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	8	0.86
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	1	0.86
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	1	0.86
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	1	0.86
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	1	0.86
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	1	0.86
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	1	0.86
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	11	0.86
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	11	0.86
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	11	0.86
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	11	0.86
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	11	0.86
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	11	0.86
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	1	0.86
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	1	0.86
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	1	0.86
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	1	0.86
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	1	0.86
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	1	0.86
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	1	0.86
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	1	0.86
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	1	0.86
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG11	3	0.86
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG12	3	0.86
(1,1250)	1:69:A:GLU:HB2	1:71:A:VAL:HG13	3	0.86
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG11	3	0.86
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG12	3	0.86
(1,1250)	1:69:A:GLU:HB3	1:71:A:VAL:HG13	3	0.86
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	19	0.86
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	19	0.86
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	19	0.86
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	19	0.86
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	19	0.86
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	19	0.86
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	19	0.86
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	19	0.86
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	19	0.86
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	1	0.86
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	1	0.86
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	12	0.86
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	12	0.86
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	7	0.86
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	7	0.86
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	7	0.86
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	4	0.86
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	4	0.86
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	4	0.86
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	14	0.86
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	18	0.86
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	18	0.86
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	9	0.86
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	2	0.86
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	8	0.86
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	17	0.86
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	7	0.86
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	7	0.86
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	7	0.86
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	15	0.86
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	15	0.86
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	15	0.86
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	15	0.86
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	15	0.86
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	15	0.86
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	15	0.86
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	15	0.86
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	15	0.86
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	7	0.86
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	7	0.86
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	7	0.86
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	7	0.86
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	7	0.86
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	7	0.86
(1,740)	1:57:A:VAL:HG21	1:54:A:ALA:HA	18	0.86
(1,740)	1:57:A:VAL:HG22	1:54:A:ALA:HA	18	0.86
(1,740)	1:57:A:VAL:HG23	1:54:A:ALA:HA	18	0.86
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	11	0.86
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	19	0.86
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	19	0.86
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	19	0.86
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	6	0.86
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	6	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	15	0.86
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	15	0.86
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	1	0.86
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	15	0.86
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	11	0.86
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	14	0.86
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	17	0.86
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	16	0.86
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	23	0.86
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	25	0.86
(1,354)	1:35:A:PRO:HD3	1:33:A:ALA:H	2	0.86
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	10	0.86
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	10	0.86
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	13	0.86
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	11	0.86
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	9	0.86
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	10	0.86
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	10	0.86
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	10	0.86
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	15	0.86
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	15	0.86
(1,1786)	1:76:A:VAL:HG22	1:75:A:ILE:HG21	1	0.85
(1,1786)	1:5:A:VAL:HG23	1:9:A:ILE:HG22	8	0.85
(1,1786)	1:76:A:VAL:HG22	1:75:A:ILE:HG21	13	0.85
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG22	3	0.85
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG22	12	0.85
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG13	21	0.85
(1,1621)	1:13:A:ILE:HD13	1:76:A:VAL:HG12	22	0.85
(1,1493)	1:66:A:LYS:HD3	1:66:A:LYS:H	25	0.85
(1,1477)	1:9:A:ILE:HG22	1:8:A:ASP:H	3	0.85
(1,1477)	1:9:A:ILE:HG22	1:8:A:ASP:H	12	0.85
(1,1466)	1:62:A:ASP:HB3	1:26:A:SER:H	2	0.85
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	4	0.85
(1,1356)	1:47:A:VAL:HG13	1:46:A:ASP:H	21	0.85
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	7	0.85
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	5	0.85
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	7	0.85
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	7	0.85
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	7	0.85
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	7	0.85
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	7	0.85
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	7	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	4	0.85
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	4	0.85
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	4	0.85
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	4	0.85
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	4	0.85
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	4	0.85
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	23	0.85
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	23	0.85
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	23	0.85
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	23	0.85
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	23	0.85
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	23	0.85
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	8	0.85
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	8	0.85
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	8	0.85
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	8	0.85
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	8	0.85
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	8	0.85
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	14	0.85
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	14	0.85
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	14	0.85
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	14	0.85
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	14	0.85
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	14	0.85
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	14	0.85
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	14	0.85
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	14	0.85
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	18	0.85
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	14	0.85
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	14	0.85
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	14	0.85
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	19	0.85
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	19	0.85
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	19	0.85
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	6	0.85
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	6	0.85
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	14	0.85
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	14	0.85
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	8	0.85
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	8	0.85
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	8	0.85
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG21	9	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG22	9	0.85
(1,1004)	1:53:A:ASP:HA	1:57:A:VAL:HG23	9	0.85
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	20	0.85
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	24	0.85
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	10	0.85
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	10	0.85
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	10	0.85
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	10	0.85
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	13	0.85
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	25	0.85
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	12	0.85
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	14	0.85
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	14	0.85
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	14	0.85
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	15	0.85
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	15	0.85
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	15	0.85
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	18	0.85
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	7	0.85
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	7	0.85
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	7	0.85
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	22	0.85
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	22	0.85
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	8	0.85
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	10	0.85
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	9	0.85
(1,278)	1:66:A:LYS:HG2	1:66:A:LYS:H	20	0.85
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	9	0.85
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	9	0.85
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	6	0.85
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	6	0.85
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	21	0.85
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	1	0.85
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	1	0.85
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	1	0.85
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	6	0.85
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	18	0.85
(1,98)	1:75:A:ILE:HG12	1:52:A:SER:H	9	0.85
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	23	0.85
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	18	0.85
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	18	0.85
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	9	0.84
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	5	0.84
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD23	23	0.84
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG12	23	0.84
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	3	0.84
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	22	0.84
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG13	24	0.84
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	11	0.84
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	5	0.84
(1,1356)	1:47:A:VAL:HG12	1:46:A:ASP:H	23	0.84
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	21	0.84
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	23	0.84
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	1	0.84
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	1	0.84
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	1	0.84
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	1	0.84
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	1	0.84
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	1	0.84
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	7	0.84
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	7	0.84
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	7	0.84
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	7	0.84
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	7	0.84
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	7	0.84
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	7	0.84
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	7	0.84
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	7	0.84
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG21	9	0.84
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG22	9	0.84
(1,1203)	1:65:A:PHE:HZ	1:71:A:VAL:HG23	9	0.84
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	18	0.84
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	18	0.84
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	18	0.84
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	23	0.84
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	23	0.84
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	23	0.84
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	14	0.84
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	14	0.84
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	14	0.84
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	6	0.84
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	13	0.84
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	11	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	11	0.84
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	25	0.84
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	25	0.84
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	6	0.84
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	11	0.84
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	15	0.84
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	19	0.84
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	19	0.84
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	19	0.84
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	17	0.84
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	17	0.84
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	17	0.84
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	17	0.84
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	17	0.84
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	17	0.84
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	17	0.84
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	17	0.84
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	17	0.84
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	14	0.84
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	14	0.84
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	14	0.84
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	11	0.84
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	11	0.84
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	23	0.84
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	6	0.84
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	24	0.84
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	21	0.84
(1,331)	1:62:A:ASP:HB3	1:60:A:ALA:H	1	0.84
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	1	0.84
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	17	0.84
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	17	0.84
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	16	0.84
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	16	0.84
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	23	0.84
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	23	0.84
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	23	0.84
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	3	0.84
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	12	0.84
(1,83)	1:50:A:LYS:H	1:51:A:ALA:H	21	0.84
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	1	0.84
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	1	0.84
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD12	21	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG23	13	0.83
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	3	0.83
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG13	1	0.83
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG12	15	0.83
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG12	17	0.83
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	7	0.83
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	2	0.83
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	19	0.83
(1,1477)	1:9:A:ILE:HG23	1:8:A:ASP:H	13	0.83
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	9	0.83
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	5	0.83
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	23	0.83
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	23	0.83
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	23	0.83
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	23	0.83
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	23	0.83
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	23	0.83
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	3	0.83
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	3	0.83
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	3	0.83
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	3	0.83
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	3	0.83
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	3	0.83
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	6	0.83
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	6	0.83
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG2	6	0.83
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG3	6	0.83
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG2	6	0.83
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG3	6	0.83
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG2	6	0.83
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG3	6	0.83
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG2	13	0.83
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG3	13	0.83
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG2	13	0.83
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG3	13	0.83
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG2	13	0.83
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG3	13	0.83
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	5	0.83
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	5	0.83
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	5	0.83
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	23	0.83
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	23	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	23	0.83
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	3	0.83
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	1	0.83
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	6	0.83
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	21	0.83
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	21	0.83
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	21	0.83
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	25	0.83
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	25	0.83
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	25	0.83
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB2	19	0.83
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB2	19	0.83
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	24	0.83
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	5	0.83
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	5	0.83
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	5	0.83
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB2	18	0.83
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	22	0.83
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	5	0.83
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	18	0.83
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	25	0.83
(1,423)	1:8:A:ASP:HB2	1:6:A:LYS:H	20	0.83
(1,354)	1:35:A:PRO:HD3	1:33:A:ALA:H	15	0.83
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	20	0.83
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	18	0.83
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	18	0.83
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	21	0.83
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	21	0.83
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	9	0.83
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	13	0.83
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	6	0.83
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	6	0.83
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	6	0.83
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	6	0.83
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	12	0.83
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	12	0.83
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	12	0.83
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	9	0.83
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	13	0.83
(1,84)	1:12:A:GLN:HE22	1:9:A:ILE:H	10	0.83
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	7	0.83
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	7	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	18	0.83
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	18	0.83
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	20	0.82
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	21	0.82
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	23	0.82
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	22	0.82
(1,1850)	1:76:A:VAL:HG13	1:75:A:ILE:HG23	18	0.82
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD21	10	0.82
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG22	7	0.82
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG22	19	0.82
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	5	0.82
(1,1722)	1:30:A:LEU:HD23	1:24:A:ILE:HG13	22	0.82
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD23	1	0.82
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG12	7	0.82
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	4	0.82
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	16	0.82
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	14	0.82
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB1	9	0.82
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB1	17	0.82
(1,1477)	1:9:A:ILE:HG22	1:8:A:ASP:H	7	0.82
(1,1477)	1:9:A:ILE:HG22	1:8:A:ASP:H	19	0.82
(1,1356)	1:47:A:VAL:HG12	1:46:A:ASP:H	7	0.82
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	18	0.82
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	18	0.82
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	18	0.82
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	18	0.82
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	18	0.82
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	18	0.82
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	7	0.82
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	7	0.82
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	7	0.82
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	7	0.82
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	7	0.82
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	7	0.82
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	15	0.82
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	15	0.82
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	15	0.82
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	15	0.82
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	15	0.82
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	15	0.82
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	15	0.82
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	15	0.82
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	5	0.82
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	5	0.82
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	5	0.82
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	4	0.82
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	4	0.82
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	4	0.82
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	19	0.82
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	19	0.82
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	19	0.82
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	8	0.82
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	8	0.82
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	21	0.82
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	22	0.82
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	24	0.82
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	17	0.82
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	17	0.82
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	17	0.82
(1,754)	1:64:A:PRO:HD3	1:61:A:ASP:HA	15	0.82
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	22	0.82
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	17	0.82
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	17	0.82
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	25	0.82
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	25	0.82
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	2	0.82
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	21	0.82
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	25	0.82
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	20	0.82
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	23	0.82
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	15	0.82
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	4	0.82
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	4	0.82
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	5	0.82
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	5	0.82
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	18	0.81
(1,1830)	1:71:A:VAL:HG22	1:58:A:LEU:HD12	21	0.81
(1,1786)	1:76:A:VAL:HG22	1:75:A:ILE:HG22	22	0.81
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	9	0.81
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	18	0.81
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG12	19	0.81
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	11	0.81
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG2	23	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:34:A:LEU:HD11	1:31:A:MET:HG3	23	0.81
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG2	23	0.81
(1,1277)	1:34:A:LEU:HD12	1:31:A:MET:HG3	23	0.81
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG2	23	0.81
(1,1277)	1:34:A:LEU:HD13	1:31:A:MET:HG3	23	0.81
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	10	0.81
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	10	0.81
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	10	0.81
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	10	0.81
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	10	0.81
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	10	0.81
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	18	0.81
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	18	0.81
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	18	0.81
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	18	0.81
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	18	0.81
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	18	0.81
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	3	0.81
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	3	0.81
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	3	0.81
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	3	0.81
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	3	0.81
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	3	0.81
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	3	0.81
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	3	0.81
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	3	0.81
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	6	0.81
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	6	0.81
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	6	0.81
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	6	0.81
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	6	0.81
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	6	0.81
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	6	0.81
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	6	0.81
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	6	0.81
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	23	0.81
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	23	0.81
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	23	0.81
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	23	0.81
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	23	0.81
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	23	0.81
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	23	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	23	0.81
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	23	0.81
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	20	0.81
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	20	0.81
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	20	0.81
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	11	0.81
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	11	0.81
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	11	0.81
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	11	0.81
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	11	0.81
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	11	0.81
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	11	0.81
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	11	0.81
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	11	0.81
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	16	0.81
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	16	0.81
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	16	0.81
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	16	0.81
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	16	0.81
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	16	0.81
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	16	0.81
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	16	0.81
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	16	0.81
(1,902)	1:30:A:LEU:HB2	1:29:A:GLU:HG3	19	0.81
(1,902)	1:30:A:LEU:HB3	1:29:A:GLU:HG3	19	0.81
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	20	0.81
(1,754)	1:64:A:PRO:HD3	1:61:A:ASP:HA	20	0.81
(1,754)	1:64:A:PRO:HD3	1:61:A:ASP:HA	23	0.81
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	16	0.81
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	15	0.81
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	1	0.81
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	2	0.81
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	2	0.81
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	4	0.81
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	4	0.81
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	5	0.81
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	5	0.81
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	1	0.81
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	6	0.81
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	17	0.81
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	1	0.81
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	19	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	1	0.81
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	5	0.81
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	23	0.81
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	8	0.81
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	8	0.81
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD11	17	0.8
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG22	14	0.8
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	8	0.8
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD21	22	0.8
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG13	2	0.8
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	11	0.8
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	21	0.8
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG13	24	0.8
(1,1647)	1:71:A:VAL:HG11	1:62:A:ASP:HB3	13	0.8
(1,1569)	1:79:A:ALA:HB1	1:80:A:GLY:HA2	18	0.8
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	12	0.8
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	7	0.8
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB1	10	0.8
(1,1493)	1:66:A:LYS:HD3	1:66:A:LYS:H	10	0.8
(1,1477)	1:9:A:ILE:HG22	1:8:A:ASP:H	14	0.8
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	8	0.8
(1,1309)	1:34:A:LEU:HD11	1:31:A:MET:HE2	10	0.8
(1,1309)	1:34:A:LEU:HD12	1:31:A:MET:HE2	10	0.8
(1,1309)	1:34:A:LEU:HD13	1:31:A:MET:HE2	10	0.8
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	14	0.8
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	14	0.8
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	14	0.8
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	14	0.8
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	14	0.8
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	14	0.8
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	19	0.8
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	19	0.8
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	19	0.8
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	19	0.8
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	19	0.8
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	19	0.8
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	19	0.8
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	19	0.8
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	19	0.8
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	22	0.8
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	22	0.8
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	22	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	22	0.8
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	22	0.8
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	22	0.8
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	22	0.8
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	22	0.8
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	22	0.8
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD21	21	0.8
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD22	21	0.8
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD23	21	0.8
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD21	21	0.8
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD22	21	0.8
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD23	21	0.8
(1,988)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	25	0.8
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	12	0.8
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB2	16	0.8
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB2	16	0.8
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	11	0.8
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	11	0.8
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	11	0.8
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	17	0.8
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	17	0.8
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	8	0.8
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	8	0.8
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	8	0.8
(1,352)	1:37:A:GLY:HA2	1:33:A:ALA:H	24	0.8
(1,352)	1:37:A:GLY:HA3	1:33:A:ALA:H	24	0.8
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	22	0.8
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	22	0.8
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	1	0.8
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	1	0.8
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	19	0.8
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	21	0.8
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	24	0.8
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	25	0.8
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	24	0.8
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	24	0.8
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	24	0.8
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	2	0.8
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	21	0.8
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	21	0.8
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	21	0.8
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	24	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	8	0.79
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD11	4	0.79
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD13	25	0.79
(1,1786)	1:76:A:VAL:HG23	1:75:A:ILE:HG23	12	0.79
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG23	1	0.79
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	4	0.79
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG23	10	0.79
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	4	0.79
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	3	0.79
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG13	16	0.79
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	15	0.79
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG12	25	0.79
(1,1477)	1:9:A:ILE:HG23	1:8:A:ASP:H	1	0.79
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	4	0.79
(1,1477)	1:9:A:ILE:HG23	1:8:A:ASP:H	10	0.79
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	18	0.79
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	22	0.79
(1,1371)	1:49:A:LEU:HB3	1:51:A:ALA:H	21	0.79
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	4	0.79
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	4	0.79
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	4	0.79
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	4	0.79
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	4	0.79
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	4	0.79
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	19	0.79
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	19	0.79
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	19	0.79
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	19	0.79
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	19	0.79
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	19	0.79
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	9	0.79
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	9	0.79
(1,1171)	1:65:A:PHE:HD2	1:67:A:SER:HA	18	0.79
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	24	0.79
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	20	0.79
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	24	0.79
(1,903)	1:24:A:ILE:HD11	1:27:A:PRO:HA	22	0.79
(1,903)	1:24:A:ILE:HD12	1:27:A:PRO:HA	22	0.79
(1,903)	1:24:A:ILE:HD13	1:27:A:PRO:HA	22	0.79
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	14	0.79
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	8	0.79
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	8	0.79
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	8	0.79
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	8	0.79
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	8	0.79
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	8	0.79
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	8	0.79
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	8	0.79
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	1	0.79
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	1	0.79
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	1	0.79
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	20	0.79
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	20	0.79
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	20	0.79
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB3	6	0.79
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	17	0.79
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	17	0.79
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	17	0.79
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	1	0.79
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	1	0.79
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	5	0.79
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	5	0.79
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	12	0.79
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	12	0.79
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	20	0.79
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	20	0.79
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	24	0.79
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	24	0.79
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	17	0.79
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	10	0.79
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	10	0.79
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	12	0.79
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	12	0.79
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	12	0.79
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	11	0.79
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	17	0.79
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	24	0.79
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD21	14	0.78
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	25	0.78
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD13	22	0.78
(1,1786)	1:76:A:VAL:HG21	1:75:A:ILE:HG21	19	0.78
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	11	0.78
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	21	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	2	0.78
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	20	0.78
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB3	8	0.78
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	16	0.78
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB3	25	0.78
(1,1493)	1:66:A:LYS:HD3	1:66:A:LYS:H	6	0.78
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	11	0.78
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	12	0.78
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	2	0.78
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	2	0.78
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	2	0.78
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	5	0.78
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	5	0.78
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	5	0.78
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	5	0.78
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	5	0.78
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	5	0.78
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	24	0.78
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	24	0.78
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	24	0.78
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG2	22	0.78
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG3	22	0.78
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG2	22	0.78
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG3	22	0.78
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG2	22	0.78
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG3	22	0.78
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	1	0.78
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	1	0.78
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	1	0.78
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	12	0.78
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	12	0.78
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	12	0.78
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	21	0.78
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	21	0.78
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	21	0.78
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	1	0.78
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	3	0.78
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	19	0.78
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	3	0.78
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	3	0.78
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	3	0.78
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	4	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	4	0.78
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	4	0.78
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	8	0.78
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	8	0.78
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	8	0.78
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	3	0.78
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	3	0.78
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	3	0.78
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	22	0.78
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	22	0.78
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	22	0.78
(1,740)	1:57:A:VAL:HG21	1:54:A:ALA:HA	13	0.78
(1,740)	1:57:A:VAL:HG22	1:54:A:ALA:HA	13	0.78
(1,740)	1:57:A:VAL:HG23	1:54:A:ALA:HA	13	0.78
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	6	0.78
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	6	0.78
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	6	0.78
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	16	0.78
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	16	0.78
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	21	0.78
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	21	0.78
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	6	0.78
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	6	0.78
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	6	0.78
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	20	0.78
(1,443)	1:17:A:LEU:HB3	1:15:A:GLY:H	23	0.78
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	13	0.78
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	22	0.78
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	22	0.78
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	22	0.78
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	24	0.78
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	24	0.78
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	10	0.78
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	4	0.78
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	7	0.78
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	20	0.78
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD13	16	0.77
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	19	0.77
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	9	0.77
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	10	0.77
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	25	0.77
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB3	3	0.77
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	9	0.77
(1,1388)	1:71:A:VAL:HG22	1:69:A:GLU:H	13	0.77
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	7	0.77
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	2	0.77
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	2	0.77
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	4	0.77
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	4	0.77
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	6	0.77
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	6	0.77
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	6	0.77
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	11	0.77
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	11	0.77
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	5	0.77
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	5	0.77
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	5	0.77
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	14	0.77
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	14	0.77
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	14	0.77
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	21	0.77
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	21	0.77
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	21	0.77
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	6	0.77
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	6	0.77
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	6	0.77
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	24	0.77
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	24	0.77
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	24	0.77
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	20	0.77
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	20	0.77
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	20	0.77
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	20	0.77
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	20	0.77
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	20	0.77
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	20	0.77
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	20	0.77
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	20	0.77
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	6	0.77
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	5	0.77
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	5	0.77
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	5	0.77
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	5	0.77
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	5	0.77
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	5	0.77
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	5	0.77
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	5	0.77
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	25	0.77
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	25	0.77
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	25	0.77
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	25	0.77
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	25	0.77
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	25	0.77
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	25	0.77
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	25	0.77
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	25	0.77
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	9	0.77
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	22	0.77
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	25	0.77
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	2	0.77
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	10	0.77
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	10	0.77
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	14	0.77
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	14	0.77
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	25	0.77
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	25	0.77
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	9	0.77
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	9	0.77
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	9	0.77
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG11	24	0.77
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG12	24	0.77
(1,519)	1:73:A:ASP:HA	1:76:A:VAL:HG13	24	0.77
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	14	0.77
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	1	0.77
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	1	0.77
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	3	0.77
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	3	0.77
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	12	0.77
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	12	0.77
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	23	0.77
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	23	0.77
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	7	0.77
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	8	0.77
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	25	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	4	0.77
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	9	0.77
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	9	0.77
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	9	0.77
(3,5)	1:8:A:ASP:H	1:4:A:GLY:O	15	0.76
(1,1786)	1:76:A:VAL:HG23	1:75:A:ILE:HG23	3	0.76
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG22	16	0.76
(1,1729)	1:16:A:ALA:HB2	1:34:A:LEU:HD21	16	0.76
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG11	6	0.76
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG12	8	0.76
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG12	12	0.76
(1,1576)	1:8:A:ASP:HB2	1:44:A:SER:HB2	6	0.76
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	10	0.76
(1,1530)	1:68:A:ALA:HB3	1:65:A:PHE:HB3	20	0.76
(1,1528)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	23	0.76
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB1	14	0.76
(1,1477)	1:9:A:ILE:HG22	1:8:A:ASP:H	16	0.76
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	16	0.76
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	19	0.76
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	19	0.76
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	19	0.76
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	19	0.76
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	19	0.76
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	19	0.76
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	18	0.76
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	13	0.76
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	13	0.76
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	7	0.76
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	7	0.76
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	7	0.76
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	15	0.76
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	15	0.76
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	16	0.76
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	25	0.76
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	25	0.76
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	25	0.76
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	4	0.76
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	5	0.76
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	7	0.76
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	10	0.76
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	10	0.76
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	10	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:57:A:VAL:HG21	1:54:A:ALA:HA	19	0.76
(1,740)	1:57:A:VAL:HG22	1:54:A:ALA:HA	19	0.76
(1,740)	1:57:A:VAL:HG23	1:54:A:ALA:HA	19	0.76
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	3	0.76
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	3	0.76
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	3	0.76
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	5	0.76
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	5	0.76
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	5	0.76
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	12	0.76
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	12	0.76
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	12	0.76
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	23	0.76
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	23	0.76
(1,458)	1:48:A:GLU:HB2	1:46:A:ASP:H	6	0.76
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	16	0.76
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	16	0.76
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	16	0.76
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	6	0.76
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	11	0.76
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	16	0.76
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	20	0.76
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	24	0.76
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	24	0.76
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	23	0.76
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	23	0.76
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	23	0.76
(1,175)	1:71:A:VAL:HG11	1:69:A:GLU:H	3	0.76
(1,175)	1:71:A:VAL:HG12	1:69:A:GLU:H	3	0.76
(1,175)	1:71:A:VAL:HG13	1:69:A:GLU:H	3	0.76
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	5	0.76
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	10	0.76
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	14	0.76
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	21	0.76
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	19	0.76
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	19	0.76
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	19	0.76
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	25	0.76
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	25	0.76
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	22	0.75
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD11	8	0.75
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG13	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1696)	1:51:A:ALA:HA	1:57:A:VAL:HG22	16	0.75
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	22	0.75
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	22	0.75
(1,1647)	1:71:A:VAL:HG11	1:62:A:ASP:HB3	12	0.75
(1,1539)	1:49:A:LEU:HD11	1:79:A:ALA:HB3	20	0.75
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	5	0.75
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	10	0.75
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	4	0.75
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	4	0.75
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	4	0.75
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	4	0.75
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	4	0.75
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	4	0.75
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	20	0.75
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	20	0.75
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	20	0.75
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	20	0.75
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	20	0.75
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	20	0.75
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	20	0.75
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	20	0.75
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	20	0.75
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	16	0.75
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	22	0.75
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	22	0.75
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	22	0.75
(1,988)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	21	0.75
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD12	2	0.75
(1,757)	1:64:A:PRO:HG3	1:61:A:ASP:HA	2	0.75
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	19	0.75
(1,740)	1:57:A:VAL:HG21	1:54:A:ALA:HA	12	0.75
(1,740)	1:57:A:VAL:HG22	1:54:A:ALA:HA	12	0.75
(1,740)	1:57:A:VAL:HG23	1:54:A:ALA:HA	12	0.75
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB3	4	0.75
(1,628)	1:62:A:ASP:HB2	1:59:A:THR:HA	1	0.75
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	4	0.75
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	4	0.75
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	4	0.75
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	3	0.75
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	3	0.75
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	6	0.75
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	2	0.75
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	2	0.75
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	2	0.75
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	4	0.75
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	4	0.75
(1,195)	1:33:A:ALA:HB2	1:37:A:GLY:H	20	0.75
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	23	0.75
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	3	0.75
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	4	0.75
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	12	0.75
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD21	11	0.74
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD11	24	0.74
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	7	0.74
(1,1786)	1:76:A:VAL:HG23	1:75:A:ILE:HG23	21	0.74
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	17	0.74
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	20	0.74
(1,1710)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	22	0.74
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	6	0.74
(1,1646)	1:14:A:ILE:HD12	1:10:A:ARG:HD3	17	0.74
(1,1569)	1:79:A:ALA:HB3	1:80:A:GLY:HA2	6	0.74
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	20	0.74
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	18	0.74
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG3	8	0.74
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG3	8	0.74
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	22	0.74
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	22	0.74
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	10	0.74
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	10	0.74
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	10	0.74
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	10	0.74
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	10	0.74
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	10	0.74
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG2	8	0.74
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG3	8	0.74
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG2	8	0.74
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG3	8	0.74
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG2	8	0.74
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG3	8	0.74
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG2	21	0.74
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG3	21	0.74
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG2	21	0.74
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG3	21	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG2	21	0.74
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG3	21	0.74
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	15	0.74
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	15	0.74
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	15	0.74
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	21	0.74
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	21	0.74
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	21	0.74
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	21	0.74
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	21	0.74
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	21	0.74
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	21	0.74
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	21	0.74
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	21	0.74
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	4	0.74
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	4	0.74
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	18	0.74
(1,890)	1:29:A:GLU:H	1:26:A:SER:HA	16	0.74
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	22	0.74
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	22	0.74
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	22	0.74
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	12	0.74
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	12	0.74
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	12	0.74
(1,754)	1:64:A:PRO:HD3	1:61:A:ASP:HA	14	0.74
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	2	0.74
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	10	0.74
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	8	0.74
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	8	0.74
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	8	0.74
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	24	0.74
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	24	0.74
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	24	0.74
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	8	0.74
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	8	0.74
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	21	0.74
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	25	0.74
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	15	0.74
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	7	0.74
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	5	0.74
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	5	0.74
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	14	0.74
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	14	0.74
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	8	0.74
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	9	0.74
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	23	0.74
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	23	0.74
(1,1809)	1:65:A:PHE:HD2	1:30:A:LEU:HD21	5	0.73
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	7	0.73
(1,1753)	1:2:A:LYS:HE2	1:6:A:LYS:HD2	24	0.73
(1,1710)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	15	0.73
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG12	14	0.73
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	20	0.73
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	25	0.73
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	4	0.73
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG12	20	0.73
(1,1569)	1:79:A:ALA:HB2	1:80:A:GLY:HA2	16	0.73
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	9	0.73
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG2	14	0.73
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	15	0.73
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	15	0.73
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	15	0.73
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	10	0.73
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	10	0.73
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	10	0.73
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	11	0.73
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	11	0.73
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	11	0.73
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD21	6	0.73
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD22	6	0.73
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD23	6	0.73
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD21	6	0.73
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD22	6	0.73
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD23	6	0.73
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	14	0.73
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	14	0.73
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	14	0.73
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	10	0.73
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	10	0.73
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	10	0.73
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	2	0.73
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	6	0.73
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	6	0.73
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	19	0.73
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	2	0.73
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	5	0.73
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	13	0.73
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	14	0.73
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	17	0.73
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	22	0.73
(1,341)	1:31:A:MET:HE2	1:28:A:GLU:H	23	0.73
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	15	0.73
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	15	0.73
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	18	0.73
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	19	0.73
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	6	0.73
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	6	0.73
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	1	0.73
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	6	0.73
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	13	0.73
(1,80)	1:49:A:LEU:HD11	1:51:A:ALA:H	21	0.73
(1,80)	1:49:A:LEU:HD12	1:51:A:ALA:H	21	0.73
(1,80)	1:49:A:LEU:HD13	1:51:A:ALA:H	21	0.73
(1,1854)	1:76:A:VAL:HG21	1:13:A:ILE:HD11	17	0.72
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD13	11	0.72
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	3	0.72
(1,1752)	1:34:A:LEU:HD11	1:31:A:MET:HE2	23	0.72
(1,1710)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	25	0.72
(1,1698)	1:6:A:LYS:HB2	1:5:A:VAL:HG13	9	0.72
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	12	0.72
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	2	0.72
(1,1569)	1:79:A:ALA:HB2	1:80:A:GLY:HA2	5	0.72
(1,1569)	1:79:A:ALA:HB1	1:80:A:GLY:HA2	9	0.72
(1,1569)	1:79:A:ALA:HB1	1:80:A:GLY:HA2	10	0.72
(1,1569)	1:79:A:ALA:HB1	1:80:A:GLY:HA2	11	0.72
(1,1569)	1:79:A:ALA:HB2	1:80:A:GLY:HA2	12	0.72
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	2	0.72
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	20	0.72
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	6	0.72
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	15	0.72
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	2	0.72
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	6	0.72
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	10	0.72
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	15	0.72
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	15	0.72
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	15	0.72
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	3	0.72
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	3	0.72
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	3	0.72
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	3	0.72
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	3	0.72
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	3	0.72
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	7	0.72
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	7	0.72
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	7	0.72
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	7	0.72
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	7	0.72
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	7	0.72
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG2	10	0.72
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG3	10	0.72
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG2	10	0.72
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG3	10	0.72
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG2	10	0.72
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG3	10	0.72
(1,1063)	1:34:A:LEU:HD21	1:31:A:MET:HB3	22	0.72
(1,1063)	1:34:A:LEU:HD22	1:31:A:MET:HB3	22	0.72
(1,1063)	1:34:A:LEU:HD23	1:31:A:MET:HB3	22	0.72
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	10	0.72
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	10	0.72
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	10	0.72
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	11	0.72
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	11	0.72
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	11	0.72
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	17	0.72
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	17	0.72
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	17	0.72
(1,938)	1:12:A:GLN:HB3	1:9:A:ILE:HA	20	0.72
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	11	0.72
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	11	0.72
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	11	0.72
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	15	0.72
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	15	0.72
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	15	0.72
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB3	25	0.72
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	7	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	7	0.72
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	16	0.72
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	1	0.72
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	3	0.72
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	7	0.72
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	8	0.72
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	10	0.72
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	11	0.72
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	12	0.72
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	21	0.72
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	12	0.72
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	20	0.72
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	20	0.72
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	20	0.72
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	11	0.72
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	11	0.72
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	5	0.72
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	12	0.72
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	5	0.72
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	18	0.72
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	18	0.72
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	2	0.72
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	10	0.72
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	11	0.72
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	17	0.72
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	23	0.72
(1,115)	1:26:A:SER:H	1:30:A:LEU:H	16	0.72
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	8	0.71
(1,1854)	1:76:A:VAL:HG23	1:13:A:ILE:HD11	25	0.71
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	21	0.71
(1,1830)	1:71:A:VAL:HG22	1:58:A:LEU:HD11	23	0.71
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD12	1	0.71
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD13	3	0.71
(1,1809)	1:65:A:PHE:HD2	1:30:A:LEU:HD23	13	0.71
(1,1752)	1:34:A:LEU:HD13	1:31:A:MET:HE2	1	0.71
(1,1752)	1:34:A:LEU:HD12	1:31:A:MET:HE2	20	0.71
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	16	0.71
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	23	0.71
(1,1591)	1:81:A:LEU:HD23	1:6:A:LYS:HA	23	0.71
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	7	0.71
(1,1569)	1:79:A:ALA:HB1	1:80:A:GLY:HA2	14	0.71
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB3	3	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB2	12	0.71
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	20	0.71
(1,1353)	1:46:A:ASP:H	1:48:A:GLU:H	25	0.71
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	5	0.71
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	6	0.71
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	24	0.71
(1,1198)	1:65:A:PHE:HD2	1:66:A:LYS:HG3	10	0.71
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	14	0.71
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	14	0.71
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	14	0.71
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	14	0.71
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	14	0.71
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	14	0.71
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG2	9	0.71
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG3	9	0.71
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG2	9	0.71
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG3	9	0.71
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG2	9	0.71
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG3	9	0.71
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	3	0.71
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	3	0.71
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	3	0.71
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	17	0.71
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	17	0.71
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	17	0.71
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	6	0.71
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	6	0.71
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	6	0.71
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	6	0.71
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	6	0.71
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	6	0.71
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	6	0.71
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	6	0.71
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	6	0.71
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	11	0.71
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	11	0.71
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	11	0.71
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	4	0.71
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	4	0.71
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	9	0.71
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	9	0.71
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	19	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	19	0.71
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	4	0.71
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	9	0.71
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	16	0.71
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	20	0.71
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	23	0.71
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	23	0.71
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	3	0.71
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	3	0.71
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	11	0.71
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	11	0.71
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	5	0.71
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	2	0.71
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	2	0.71
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	8	0.71
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	8	0.71
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	14	0.71
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	14	0.71
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	14	0.71
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	4	0.71
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	16	0.71
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	19	0.71
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	15	0.71
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	23	0.71
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	23	0.71
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	23	0.71
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	19	0.71
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	19	0.71
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	3	0.71
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD23	8	0.7
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD11	20	0.7
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	4	0.7
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	2	0.7
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	6	0.7
(1,1646)	1:14:A:ILE:HD13	1:10:A:ARG:HD3	25	0.7
(1,1569)	1:79:A:ALA:HB2	1:80:A:GLY:HA2	2	0.7
(1,1569)	1:79:A:ALA:HB3	1:80:A:GLY:HA2	3	0.7
(1,1569)	1:79:A:ALA:HB2	1:80:A:GLY:HA2	19	0.7
(1,1569)	1:79:A:ALA:HB2	1:80:A:GLY:HA2	23	0.7
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	8	0.7
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	23	0.7
(1,1520)	1:30:A:LEU:H	1:17:A:LEU:HB3	22	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB1	15	0.7
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB1	18	0.7
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	2	0.7
(1,1444)	1:13:A:ILE:HG23	1:71:A:VAL:H	11	0.7
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	21	0.7
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	11	0.7
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD11	3	0.7
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD12	3	0.7
(1,1339)	1:65:A:PHE:HB2	1:24:A:ILE:HD13	3	0.7
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD11	3	0.7
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD12	3	0.7
(1,1339)	1:65:A:PHE:HB3	1:24:A:ILE:HD13	3	0.7
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	1	0.7
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	1	0.7
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	1	0.7
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	1	0.7
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	1	0.7
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	1	0.7
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	1	0.7
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	1	0.7
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	1	0.7
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	12	0.7
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	12	0.7
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	12	0.7
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	12	0.7
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	12	0.7
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	12	0.7
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	12	0.7
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	12	0.7
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	12	0.7
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	24	0.7
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	24	0.7
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	24	0.7
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	24	0.7
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	24	0.7
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	24	0.7
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	24	0.7
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	24	0.7
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	24	0.7
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	25	0.7
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	25	0.7
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	25	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	24	0.7
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	24	0.7
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	25	0.7
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	25	0.7
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	25	0.7
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	25	0.7
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	25	0.7
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	25	0.7
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG2	20	0.7
(1,1067)	1:34:A:LEU:HD11	1:31:A:MET:HG3	20	0.7
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG2	20	0.7
(1,1067)	1:34:A:LEU:HD12	1:31:A:MET:HG3	20	0.7
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG2	20	0.7
(1,1067)	1:34:A:LEU:HD13	1:31:A:MET:HG3	20	0.7
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD21	25	0.7
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD22	25	0.7
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD23	25	0.7
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD21	25	0.7
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD22	25	0.7
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD23	25	0.7
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	4	0.7
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	4	0.7
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	4	0.7
(1,809)	1:71:A:VAL:HG11	1:68:A:ALA:HA	24	0.7
(1,809)	1:71:A:VAL:HG12	1:68:A:ALA:HA	24	0.7
(1,809)	1:71:A:VAL:HG13	1:68:A:ALA:HA	24	0.7
(1,740)	1:57:A:VAL:HG21	1:54:A:ALA:HA	4	0.7
(1,740)	1:57:A:VAL:HG22	1:54:A:ALA:HA	4	0.7
(1,740)	1:57:A:VAL:HG23	1:54:A:ALA:HA	4	0.7
(1,627)	1:60:A:ALA:HB1	1:58:A:LEU:HB2	10	0.7
(1,627)	1:60:A:ALA:HB2	1:58:A:LEU:HB2	10	0.7
(1,627)	1:60:A:ALA:HB3	1:58:A:LEU:HB2	10	0.7
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	8	0.7
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	2	0.7
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	20	0.7
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	23	0.7
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	8	0.7
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	8	0.7
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	8	0.7
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	19	0.7
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	19	0.7
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	10	0.7
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	12	0.7
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	12	0.7
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	12	0.7
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	2	0.7
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	18	0.7
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	3	0.7
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	3	0.7
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	11	0.7
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	11	0.7
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	7	0.7
(1,1854)	1:76:A:VAL:HG23	1:13:A:ILE:HD11	20	0.69
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	22	0.69
(1,1786)	1:76:A:VAL:HG22	1:75:A:ILE:HG22	17	0.69
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD12	18	0.69
(1,1710)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	10	0.69
(1,1569)	1:79:A:ALA:HB3	1:80:A:GLY:HA2	8	0.69
(1,1569)	1:79:A:ALA:HB1	1:80:A:GLY:HA2	24	0.69
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	13	0.69
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB3	8	0.69
(1,1538)	1:58:A:LEU:HG	1:51:A:ALA:HB1	19	0.69
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	9	0.69
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	23	0.69
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	23	0.69
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	23	0.69
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	23	0.69
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	23	0.69
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	23	0.69
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	3	0.69
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	3	0.69
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	3	0.69
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	3	0.69
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	3	0.69
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	3	0.69
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	3	0.69
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	3	0.69
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	3	0.69
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	25	0.69
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	25	0.69
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	25	0.69
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	25	0.69
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	25	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	25	0.69
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	25	0.69
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	25	0.69
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	25	0.69
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	11	0.69
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	11	0.69
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	11	0.69
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	7	0.69
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	14	0.69
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	18	0.69
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	18	0.69
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	2	0.69
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	5	0.69
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	24	0.69
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	18	0.69
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	7	0.69
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	9	0.69
(1,352)	1:37:A:GLY:HA2	1:33:A:ALA:H	23	0.69
(1,352)	1:37:A:GLY:HA3	1:33:A:ALA:H	23	0.69
(1,341)	1:31:A:MET:HE2	1:28:A:GLU:H	6	0.69
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	13	0.69
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	13	0.69
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	9	0.69
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	9	0.69
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	9	0.69
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	21	0.69
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	21	0.69
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	4	0.69
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	16	0.69
(1,4)	1:50:A:LYS:HE3	1:50:A:LYS:H	11	0.69
(3,6)	1:8:A:ASP:N	1:4:A:GLY:O	15	0.68
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD13	20	0.68
(1,1647)	1:71:A:VAL:HG13	1:62:A:ASP:HB3	15	0.68
(1,1569)	1:79:A:ALA:HB2	1:80:A:GLY:HA2	7	0.68
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	11	0.68
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	1	0.68
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	5	0.68
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	24	0.68
(1,1530)	1:68:A:ALA:HB3	1:65:A:PHE:HB3	13	0.68
(1,1398)	1:8:A:ASP:H	1:6:A:LYS:H	3	0.68
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	2	0.68
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	15	0.68
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	4	0.68
(1,1309)	1:34:A:LEU:HD11	1:31:A:MET:HE2	12	0.68
(1,1309)	1:34:A:LEU:HD12	1:31:A:MET:HE2	12	0.68
(1,1309)	1:34:A:LEU:HD13	1:31:A:MET:HE2	12	0.68
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	4	0.68
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	4	0.68
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	4	0.68
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	4	0.68
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	4	0.68
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	4	0.68
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	4	0.68
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	4	0.68
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	4	0.68
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	23	0.68
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	23	0.68
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	11	0.68
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	11	0.68
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	11	0.68
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	11	0.68
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	11	0.68
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	20	0.68
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	20	0.68
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	20	0.68
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	11	0.68
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	11	0.68
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	11	0.68
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	11	0.68
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	11	0.68
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	11	0.68
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	22	0.68
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	22	0.68
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	22	0.68
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	16	0.68
(1,973)	1:36:A:ASN:HD21	1:35:A:PRO:HD2	17	0.68
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	9	0.68
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	9	0.68
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	9	0.68
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	9	0.68
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	9	0.68
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	9	0.68
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	9	0.68
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	9	0.68
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	3	0.68
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	18	0.68
(1,417)	1:6:A:LYS:HD2	1:4:A:GLY:H	21	0.68
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	19	0.68
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	25	0.68
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	15	0.68
(1,352)	1:37:A:GLY:HA2	1:33:A:ALA:H	1	0.68
(1,352)	1:37:A:GLY:HA3	1:33:A:ALA:H	1	0.68
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	23	0.68
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	6	0.68
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	6	0.68
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	6	0.68
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	16	0.68
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	16	0.68
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	16	0.68
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	24	0.68
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	24	0.68
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	24	0.68
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	7	0.68
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	15	0.68
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	22	0.68
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	4	0.68
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	4	0.68
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	19	0.68
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	19	0.68
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	20	0.68
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	22	0.68
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	22	0.68
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	10	0.68
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	10	0.68
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	2	0.68
(1,1830)	1:71:A:VAL:HG23	1:58:A:LEU:HD12	8	0.67
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG23	8	0.67
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	2	0.67
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	19	0.67
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	8	0.67
(1,1569)	1:79:A:ALA:HB3	1:80:A:GLY:HA2	13	0.67
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB2	20	0.67
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	4	0.67
(1,1477)	1:9:A:ILE:HG23	1:8:A:ASP:H	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	8	0.67
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	13	0.67
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	16	0.67
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	25	0.67
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	12	0.67
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	13	0.67
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	7	0.67
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	7	0.67
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	7	0.67
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	7	0.67
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	7	0.67
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	7	0.67
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	7	0.67
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	7	0.67
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	7	0.67
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	2	0.67
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	2	0.67
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	10	0.67
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	10	0.67
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	10	0.67
(1,1107)	1:48:A:GLU:HG2	1:43:A:LYS:HD3	24	0.67
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	8	0.67
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	8	0.67
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	15	0.67
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	15	0.67
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	13	0.67
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	13	0.67
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	13	0.67
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	4	0.67
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	8	0.67
(1,876)	1:58:A:LEU:HD21	1:75:A:ILE:HD12	17	0.67
(1,876)	1:58:A:LEU:HD22	1:75:A:ILE:HD12	17	0.67
(1,876)	1:58:A:LEU:HD23	1:75:A:ILE:HD12	17	0.67
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	24	0.67
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	24	0.67
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	24	0.67
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	10	0.67
(1,754)	1:64:A:PRO:HD3	1:61:A:ASP:HA	24	0.67
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	2	0.67
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	2	0.67
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	17	0.67
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	21	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	23	0.67
(1,292)	1:6:A:LYS:HB2	1:4:A:GLY:H	2	0.67
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	19	0.67
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	23	0.67
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	23	0.67
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	23	0.67
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	25	0.67
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	25	0.67
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	25	0.67
(1,270)	1:17:A:LEU:HB2	1:31:A:MET:H	7	0.67
(1,270)	1:17:A:LEU:HB3	1:31:A:MET:H	7	0.67
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	4	0.67
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	3	0.67
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	3	0.67
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	3	0.67
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	3	0.67
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	8	0.67
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	24	0.67
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	9	0.67
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	12	0.67
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	13	0.67
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	19	0.67
(1,1840)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	23	0.66
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD23	9	0.66
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	19	0.66
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	3	0.66
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	4	0.66
(1,1786)	1:76:A:VAL:HG21	1:75:A:ILE:HG21	25	0.66
(1,1646)	1:49:A:LEU:HD12	1:10:A:ARG:HD2	21	0.66
(1,1615)	1:65:A:PHE:HA	1:71:A:VAL:HG12	22	0.66
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	24	0.66
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	11	0.66
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	12	0.66
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	17	0.66
(1,1530)	1:68:A:ALA:HB1	1:65:A:PHE:HB3	25	0.66
(1,1528)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	3	0.66
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB3	6	0.66
(1,1467)	1:53:A:ASP:HB3	1:56:A:GLN:HE21	17	0.66
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	3	0.66
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	15	0.66
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	19	0.66
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	25	0.66
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	8	0.66
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	10	0.66
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	10	0.66
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	8	0.66
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	8	0.66
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	8	0.66
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	15	0.66
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	15	0.66
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	15	0.66
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	15	0.66
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	15	0.66
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	15	0.66
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	15	0.66
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	15	0.66
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	15	0.66
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	14	0.66
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	14	0.66
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	14	0.66
(1,754)	1:64:A:PRO:HD3	1:61:A:ASP:HA	2	0.66
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	3	0.66
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	17	0.66
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	17	0.66
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	18	0.66
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	17	0.66
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	17	0.66
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	17	0.66
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	1	0.66
(1,4)	1:50:A:LYS:HE3	1:50:A:LYS:H	3	0.66
(1,1830)	1:71:A:VAL:HG22	1:58:A:LEU:HD11	11	0.65
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	1	0.65
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	5	0.65
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	7	0.65
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	10	0.65
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	19	0.65
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	23	0.65
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	17	0.65
(1,1754)	1:7:A:GLU:HG2	1:7:A:GLU:HA	19	0.65
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	15	0.65
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	9	0.65
(1,1569)	1:79:A:ALA:HB3	1:80:A:GLY:HA2	4	0.65
(1,1567)	1:57:A:VAL:HG11	1:53:A:ASP:HA	23	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:68:A:ALA:HB1	1:65:A:PHE:HB3	2	0.65
(1,1398)	1:8:A:ASP:H	1:6:A:LYS:H	14	0.65
(1,1388)	1:71:A:VAL:HG22	1:69:A:GLU:H	14	0.65
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	7	0.65
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	6	0.65
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	6	0.65
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	6	0.65
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	6	0.65
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	6	0.65
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	6	0.65
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	6	0.65
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	6	0.65
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	6	0.65
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	6	0.65
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	6	0.65
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	6	0.65
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	16	0.65
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	16	0.65
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	8	0.65
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	8	0.65
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	8	0.65
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	8	0.65
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	8	0.65
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	8	0.65
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	21	0.65
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	21	0.65
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	21	0.65
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	21	0.65
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	21	0.65
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	21	0.65
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	21	0.65
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	21	0.65
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	21	0.65
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	15	0.65
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	3	0.65
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB2	13	0.65
(1,566)	1:14:A:ILE:HG13	1:69:A:GLU:HB3	13	0.65
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	4	0.65
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	11	0.65
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	15	0.65
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	22	0.65
(1,392)	1:49:A:LEU:HB3	1:49:A:LEU:H	24	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	14	0.65
(1,341)	1:31:A:MET:HE2	1:28:A:GLU:H	1	0.65
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	5	0.65
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	9	0.65
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	22	0.65
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	18	0.65
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	3	0.65
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	3	0.65
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	3	0.65
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	12	0.65
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	12	0.65
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	12	0.65
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	13	0.65
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	13	0.65
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	13	0.65
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	17	0.65
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	17	0.65
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	17	0.65
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	9	0.65
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	9	0.65
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	22	0.65
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	14	0.65
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	14	0.65
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	20	0.65
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	21	0.65
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD21	6	0.64
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD11	15	0.64
(1,1786)	1:76:A:VAL:HG23	1:75:A:ILE:HG22	24	0.64
(1,1754)	1:7:A:GLU:HG3	1:7:A:GLU:HA	24	0.64
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	18	0.64
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	17	0.64
(1,1569)	1:79:A:ALA:HB2	1:80:A:GLY:HA2	15	0.64
(1,1569)	1:79:A:ALA:HB2	1:80:A:GLY:HA2	17	0.64
(1,1569)	1:79:A:ALA:HB3	1:80:A:GLY:HA2	21	0.64
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	3	0.64
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	6	0.64
(1,1494)	1:66:A:LYS:HD3	1:67:A:SER:H	19	0.64
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	13	0.64
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	12	0.64
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	6	0.64
(1,1398)	1:8:A:ASP:H	1:6:A:LYS:H	7	0.64
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:71:A:VAL:HG22	1:69:A:GLU:H	7	0.64
(1,1388)	1:71:A:VAL:HG22	1:69:A:GLU:H	8	0.64
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	4	0.64
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	18	0.64
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD21	4	0.64
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD22	4	0.64
(1,1264)	1:65:A:PHE:HB2	1:17:A:LEU:HD23	4	0.64
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD21	4	0.64
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD22	4	0.64
(1,1264)	1:65:A:PHE:HB3	1:17:A:LEU:HD23	4	0.64
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	3	0.64
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	3	0.64
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	3	0.64
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	15	0.64
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	15	0.64
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	15	0.64
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	17	0.64
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	17	0.64
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	17	0.64
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	22	0.64
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	22	0.64
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	22	0.64
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	22	0.64
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	22	0.64
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	22	0.64
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	19	0.64
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	19	0.64
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	19	0.64
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	5	0.64
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	5	0.64
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	5	0.64
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	2	0.64
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	14	0.64
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	14	0.64
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	14	0.64
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	1	0.64
(1,754)	1:64:A:PRO:HD3	1:61:A:ASP:HA	4	0.64
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	18	0.64
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	18	0.64
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	1	0.64
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	2	0.64
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	9	0.64
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	13	0.64
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	19	0.64
(1,341)	1:31:A:MET:HE2	1:28:A:GLU:H	14	0.64
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	21	0.64
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	20	0.64
(1,292)	1:6:A:LYS:HB2	1:4:A:GLY:H	10	0.64
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	21	0.64
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	21	0.64
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	21	0.64
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	24	0.64
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	1	0.64
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	1	0.64
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	23	0.64
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	23	0.64
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	11	0.64
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	21	0.64
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	24	0.64
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	24	0.64
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	24	0.64
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	12	0.63
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD11	7	0.63
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	8	0.63
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	14	0.63
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	23	0.63
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG23	17	0.63
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG11	4	0.63
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	7	0.63
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	13	0.63
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	16	0.63
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	15	0.63
(1,1569)	1:79:A:ALA:HB3	1:80:A:GLY:HA2	1	0.63
(1,1477)	1:9:A:ILE:HG23	1:8:A:ASP:H	17	0.63
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	21	0.63
(1,1388)	1:71:A:VAL:HG21	1:69:A:GLU:H	10	0.63
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	1	0.63
(1,1378)	1:24:A:ILE:HA	1:30:A:LEU:H	19	0.63
(1,1356)	1:47:A:VAL:HG11	1:46:A:ASP:H	4	0.63
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	8	0.63
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	8	0.63
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	8	0.63
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	8	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	8	0.63
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	8	0.63
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	8	0.63
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	8	0.63
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	8	0.63
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	21	0.63
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	21	0.63
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	21	0.63
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	21	0.63
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	21	0.63
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	21	0.63
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	21	0.63
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	21	0.63
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	21	0.63
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	18	0.63
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	18	0.63
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	8	0.63
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	8	0.63
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	8	0.63
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	21	0.63
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	21	0.63
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	21	0.63
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	20	0.63
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	20	0.63
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	20	0.63
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	19	0.63
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	19	0.63
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	19	0.63
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	19	0.63
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	19	0.63
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	19	0.63
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	10	0.63
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	10	0.63
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	10	0.63
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	2	0.63
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	2	0.63
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	2	0.63
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	6	0.63
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	24	0.63
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	6	0.63
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	7	0.63
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	14	0.63
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	20	0.63
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	19	0.63
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	23	0.63
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	11	0.63
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	24	0.63
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	15	0.63
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	15	0.63
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	15	0.63
(1,260)	1:64:A:PRO:HB2	1:67:A:SER:H	23	0.63
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	18	0.63
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	10	0.63
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	10	0.63
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	18	0.63
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	18	0.63
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	10	0.63
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	14	0.63
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	25	0.63
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	20	0.63
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	8	0.63
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	11	0.63
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	14	0.63
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	17	0.63
(1,1854)	1:76:A:VAL:HG21	1:13:A:ILE:HD13	22	0.62
(1,1838)	1:9:A:ILE:HG22	1:81:A:LEU:HD23	10	0.62
(1,1809)	1:65:A:PHE:HD2	1:30:A:LEU:HD23	2	0.62
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	10	0.62
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	14	0.62
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG22	15	0.62
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	21	0.62
(1,1754)	1:7:A:GLU:HG2	1:7:A:GLU:HA	12	0.62
(1,1729)	1:16:A:ALA:HB1	1:34:A:LEU:HD22	24	0.62
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	24	0.62
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	4	0.62
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	10	0.62
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	12	0.62
(1,1569)	1:79:A:ALA:HB3	1:80:A:GLY:HA2	20	0.62
(1,1569)	1:79:A:ALA:HB1	1:80:A:GLY:HA2	25	0.62
(1,1538)	1:58:A:LEU:HG	1:51:A:ALA:HB3	12	0.62
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	15	0.62
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	8	0.62
(1,1530)	1:68:A:ALA:HB3	1:65:A:PHE:HB3	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	14	0.62
(1,1530)	1:68:A:ALA:HB3	1:65:A:PHE:HB3	16	0.62
(1,1477)	1:9:A:ILE:HG22	1:8:A:ASP:H	15	0.62
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	21	0.62
(1,1444)	1:13:A:ILE:HG22	1:71:A:VAL:H	5	0.62
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	23	0.62
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	2	0.62
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	3	0.62
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	5	0.62
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	9	0.62
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	12	0.62
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	13	0.62
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	23	0.62
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	24	0.62
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	19	0.62
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	17	0.62
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	17	0.62
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	17	0.62
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	17	0.62
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	17	0.62
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	17	0.62
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	17	0.62
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	17	0.62
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	17	0.62
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	17	0.62
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	17	0.62
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	17	0.62
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	11	0.62
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	11	0.62
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	11	0.62
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	11	0.62
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	11	0.62
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	11	0.62
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	11	0.62
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	11	0.62
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	11	0.62
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	23	0.62
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	23	0.62
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	23	0.62
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	9	0.62
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	9	0.62
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	9	0.62
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	9	0.62
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	9	0.62
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	25	0.62
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	25	0.62
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	25	0.62
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	21	0.62
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	21	0.62
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	6	0.62
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	6	0.62
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	6	0.62
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	12	0.62
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	12	0.62
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	12	0.62
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	5	0.62
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	7	0.62
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	18	0.62
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	19	0.62
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	14	0.62
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	5	0.62
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	21	0.62
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	24	0.62
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	6	0.62
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	5	0.62
(1,292)	1:6:A:LYS:HB2	1:4:A:GLY:H	4	0.62
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	11	0.62
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	11	0.62
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	11	0.62
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	25	0.62
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	18	0.62
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	5	0.62
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	5	0.62
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	7	0.62
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	7	0.62
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	24	0.62
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	24	0.62
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	8	0.62
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	24	0.62
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	10	0.62
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	24	0.62
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD21	13	0.61
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	8	0.61
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG23	25	0.61
(1,1752)	1:34:A:LEU:HD12	1:31:A:MET:HE2	25	0.61
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	13	0.61
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	4	0.61
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	21	0.61
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	6	0.61
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	12	0.61
(1,1528)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	11	0.61
(1,1477)	1:9:A:ILE:HG23	1:8:A:ASP:H	25	0.61
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	6	0.61
(1,1388)	1:71:A:VAL:HG21	1:69:A:GLU:H	4	0.61
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	20	0.61
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	6	0.61
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	15	0.61
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	17	0.61
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	20	0.61
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	25	0.61
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	16	0.61
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	16	0.61
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	16	0.61
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	2	0.61
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	2	0.61
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	2	0.61
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	14	0.61
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	14	0.61
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	14	0.61
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	2	0.61
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	2	0.61
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	11	0.61
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	11	0.61
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	11	0.61
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	21	0.61
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	21	0.61
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	21	0.61
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	4	0.61
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	6	0.61
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	12	0.61
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	16	0.61
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	16	0.61
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	16	0.61
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	16	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	21	0.61
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	21	0.61
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	25	0.61
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	18	0.61
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	25	0.61
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	25	0.61
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	25	0.61
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	5	0.61
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	12	0.61
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	17	0.61
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	12	0.61
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	19	0.61
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	1	0.61
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	1	0.61
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	1	0.61
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	4	0.61
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	4	0.61
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	4	0.61
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	5	0.61
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	5	0.61
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	5	0.61
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	14	0.61
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	14	0.61
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	14	0.61
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	18	0.61
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	18	0.61
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	18	0.61
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	17	0.61
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	6	0.61
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	11	0.6
(1,1786)	1:76:A:VAL:HG21	1:75:A:ILE:HG21	20	0.6
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	15	0.6
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	17	0.6
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	2	0.6
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	5	0.6
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	3	0.6
(1,1530)	1:68:A:ALA:HB1	1:65:A:PHE:HB3	18	0.6
(1,1530)	1:68:A:ALA:HB3	1:65:A:PHE:HB3	21	0.6
(1,1494)	1:66:A:LYS:HD3	1:67:A:SER:H	21	0.6
(1,1494)	1:66:A:LYS:HD3	1:67:A:SER:H	25	0.6
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	3	0.6
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	25	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	8	0.6
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	10	0.6
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	11	0.6
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	3	0.6
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	7	0.6
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	10	0.6
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	14	0.6
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	14	0.6
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	14	0.6
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	14	0.6
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	14	0.6
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	14	0.6
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	14	0.6
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	14	0.6
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	14	0.6
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	15	0.6
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	15	0.6
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	6	0.6
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	6	0.6
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	6	0.6
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	6	0.6
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	6	0.6
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	6	0.6
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	12	0.6
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	12	0.6
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	12	0.6
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	12	0.6
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	12	0.6
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	12	0.6
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	21	0.6
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	21	0.6
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	21	0.6
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	22	0.6
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	22	0.6
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	22	0.6
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	22	0.6
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	22	0.6
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	22	0.6
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	22	0.6
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	22	0.6
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	22	0.6
(1,945)	1:53:A:ASP:HA	1:56:A:GLN:HG3	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	6	0.6
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	15	0.6
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	15	0.6
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	15	0.6
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	5	0.6
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	12	0.6
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	14	0.6
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	16	0.6
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	18	0.6
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	22	0.6
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	9	0.6
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	9	0.6
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	9	0.6
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	12	0.6
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	3	0.6
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	3	0.6
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	21	0.6
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	21	0.6
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	25	0.6
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	25	0.6
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	8	0.6
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	8	0.6
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	8	0.6
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	8	0.6
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	8	0.6
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	8	0.6
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	10	0.6
(1,122)	1:28:A:GLU:H	1:30:A:LEU:H	16	0.6
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	4	0.6
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	4	0.6
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	4	0.6
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	5	0.6
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	18	0.6
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	25	0.6
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD21	18	0.59
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	17	0.59
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	24	0.59
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	24	0.59
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	2	0.59
(1,1754)	1:7:A:GLU:HG2	1:7:A:GLU:HA	16	0.59
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD21	16	0.59
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	21	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	5	0.59
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	17	0.59
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	6	0.59
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB3	8	0.59
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	12	0.59
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB1	1	0.59
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	14	0.59
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	15	0.59
(1,1505)	1:77:A:ASN:H	1:79:A:ALA:HB1	22	0.59
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	24	0.59
(1,1444)	1:13:A:ILE:HG22	1:71:A:VAL:H	10	0.59
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	14	0.59
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	18	0.59
(1,1358)	1:66:A:LYS:HB2	1:65:A:PHE:H	20	0.59
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	8	0.59
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	14	0.59
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	11	0.59
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	15	0.59
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	10	0.59
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	10	0.59
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	10	0.59
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	10	0.59
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	10	0.59
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	10	0.59
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	10	0.59
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	10	0.59
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	10	0.59
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	20	0.59
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	12	0.59
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	12	0.59
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	24	0.59
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	24	0.59
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	1	0.59
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	1	0.59
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	1	0.59
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	9	0.59
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	9	0.59
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	9	0.59
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	9	0.59
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	9	0.59
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	9	0.59
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	9	0.59
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	9	0.59
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD21	10	0.59
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD22	10	0.59
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD23	10	0.59
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD21	10	0.59
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD22	10	0.59
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD23	10	0.59
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	7	0.59
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	7	0.59
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	7	0.59
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	24	0.59
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	24	0.59
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	24	0.59
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	24	0.59
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	24	0.59
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	24	0.59
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	24	0.59
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	24	0.59
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	24	0.59
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA2	7	0.59
(1,936)	1:7:A:GLU:HG2	1:4:A:GLY:HA3	7	0.59
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	20	0.59
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	20	0.59
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	20	0.59
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	11	0.59
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	15	0.59
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	10	0.59
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	2	0.59
(1,293)	1:6:A:LYS:HG2	1:4:A:GLY:H	18	0.59
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	10	0.59
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	10	0.59
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	10	0.59
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	9	0.59
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	9	0.59
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	15	0.59
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	15	0.59
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	9	0.59
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	9	0.59
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	9	0.59
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	22	0.59
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	22	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	22	0.59
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	5	0.59
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	5	0.59
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	5	0.59
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	17	0.59
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	3	0.59
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	6	0.59
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	12	0.59
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	12	0.59
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	12	0.59
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	19	0.59
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	19	0.59
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	19	0.59
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	22	0.59
(1,1850)	1:76:A:VAL:HG11	1:75:A:ILE:HG23	15	0.58
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD21	15	0.58
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	20	0.58
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	22	0.58
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	13	0.58
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	1	0.58
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	7	0.58
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	10	0.58
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	7	0.58
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	25	0.58
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	5	0.58
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	7	0.58
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	10	0.58
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	14	0.58
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	19	0.58
(1,1530)	1:68:A:ALA:HB3	1:65:A:PHE:HB3	1	0.58
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	17	0.58
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	22	0.58
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	21	0.58
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	16	0.58
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	5	0.58
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	5	0.58
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	5	0.58
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	5	0.58
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	8	0.58
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	8	0.58
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	8	0.58
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	8	0.58
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	8	0.58
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	5	0.58
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	5	0.58
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	5	0.58
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	5	0.58
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	5	0.58
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	5	0.58
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	5	0.58
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	5	0.58
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	5	0.58
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	13	0.58
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	13	0.58
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	13	0.58
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	13	0.58
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	13	0.58
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	13	0.58
(1,1056)	1:16:A:ALA:HB1	1:31:A:MET:HA	23	0.58
(1,1056)	1:16:A:ALA:HB2	1:31:A:MET:HA	23	0.58
(1,1056)	1:16:A:ALA:HB3	1:31:A:MET:HA	23	0.58
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	7	0.58
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	7	0.58
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	7	0.58
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	12	0.58
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	12	0.58
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	7	0.58
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	7	0.58
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	7	0.58
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	8	0.58
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	8	0.58
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	8	0.58
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG11	24	0.58
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG12	24	0.58
(1,831)	1:54:A:ALA:HB1	1:57:A:VAL:HG13	24	0.58
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG11	24	0.58
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG12	24	0.58
(1,831)	1:54:A:ALA:HB2	1:57:A:VAL:HG13	24	0.58
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG11	24	0.58
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG12	24	0.58
(1,831)	1:54:A:ALA:HB3	1:57:A:VAL:HG13	24	0.58
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	8	0.58
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	1	0.58
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	1	0.58
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	24	0.58
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	24	0.58
(1,604)	1:17:A:LEU:HA	1:18:A:ALA:HB2	9	0.58
(1,604)	1:17:A:LEU:HA	1:18:A:ALA:HB2	22	0.58
(1,354)	1:35:A:PRO:HD3	1:33:A:ALA:H	17	0.58
(1,352)	1:37:A:GLY:HA2	1:33:A:ALA:H	17	0.58
(1,352)	1:37:A:GLY:HA3	1:33:A:ALA:H	17	0.58
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	6	0.58
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	6	0.58
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	6	0.58
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	21	0.58
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	17	0.58
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	25	0.58
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	12	0.58
(1,271)	1:34:A:LEU:HD11	1:31:A:MET:H	7	0.58
(1,271)	1:34:A:LEU:HD12	1:31:A:MET:H	7	0.58
(1,271)	1:34:A:LEU:HD13	1:31:A:MET:H	7	0.58
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	11	0.58
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	3	0.58
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	3	0.58
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	12	0.58
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	12	0.58
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	4	0.58
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	4	0.58
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	4	0.58
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	22	0.58
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	22	0.58
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	22	0.58
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	19	0.58
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	13	0.58
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	3	0.58
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	6	0.58
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	6	0.58
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	6	0.58
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	25	0.58
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	25	0.58
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	25	0.58
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	15	0.58
(1,1837)	1:5:A:VAL:HG12	1:81:A:LEU:HD21	25	0.57
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	3	0.57
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD21	4	0.57
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	5	0.57
(1,1830)	1:71:A:VAL:HG22	1:58:A:LEU:HD11	19	0.57
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	21	0.57
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	20	0.57
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	16	0.57
(1,1754)	1:7:A:GLU:HG2	1:7:A:GLU:HA	23	0.57
(1,1736)	1:75:A:ILE:HD12	1:58:A:LEU:HD13	8	0.57
(1,1736)	1:75:A:ILE:HD11	1:58:A:LEU:HD13	19	0.57
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	18	0.57
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	9	0.57
(1,1647)	1:71:A:VAL:HG13	1:62:A:ASP:HB3	1	0.57
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	1	0.57
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	4	0.57
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	9	0.57
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	11	0.57
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	13	0.57
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	16	0.57
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	19	0.57
(1,1538)	1:58:A:LEU:HG	1:51:A:ALA:HB2	22	0.57
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	16	0.57
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	21	0.57
(1,1530)	1:68:A:ALA:HB1	1:65:A:PHE:HB3	11	0.57
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	24	0.57
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	5	0.57
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	20	0.57
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	18	0.57
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	22	0.57
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	4	0.57
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	22	0.57
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	9	0.57
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	9	0.57
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	10	0.57
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	10	0.57
(1,1097)	1:55:A:GLY:HA2	1:31:A:MET:HE2	4	0.57
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	18	0.57
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	18	0.57
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	18	0.57
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	18	0.57
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	18	0.57
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	5	0.57
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	5	0.57
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	8	0.57
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	22	0.57
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	22	0.57
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	22	0.57
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	24	0.57
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	24	0.57
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	24	0.57
(1,798)	1:75:A:ILE:HD13	1:72:A:ALA:HA	15	0.57
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	13	0.57
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	4	0.57
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	13	0.57
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	13	0.57
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	13	0.57
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	25	0.57
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	20	0.57
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	20	0.57
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	20	0.57
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	3	0.57
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	19	0.57
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	23	0.57
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	5	0.57
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	11	0.57
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	15	0.57
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	25	0.57
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	11	0.57
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	11	0.57
(1,151)	1:3:A:MET:HA	1:8:A:ASP:H	19	0.57
(1,146)	1:48:A:GLU:HB3	1:41:A:THR:H	15	0.57
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	7	0.57
(1,1840)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	3	0.56
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD23	7	0.56
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD13	22	0.56
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	6	0.56
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	18	0.56
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	14	0.56
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	13	0.56
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	12	0.56
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	11	0.56
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	2	0.56
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB3	18	0.56
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	21	0.56
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	24	0.56
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	20	0.56
(1,1528)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	4	0.56
(1,1494)	1:66:A:LYS:HD3	1:67:A:SER:H	9	0.56
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	2	0.56
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	6	0.56
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	22	0.56
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	23	0.56
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	5	0.56
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	5	0.56
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	5	0.56
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	5	0.56
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	5	0.56
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	5	0.56
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	5	0.56
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	5	0.56
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	5	0.56
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	3	0.56
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	3	0.56
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	16	0.56
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	16	0.56
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	21	0.56
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	21	0.56
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	16	0.56
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	16	0.56
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	1	0.56
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	1	0.56
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	1	0.56
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	1	0.56
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	1	0.56
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	1	0.56
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	3	0.56
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	3	0.56
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	3	0.56
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	3	0.56
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	3	0.56
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	3	0.56
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	4	0.56
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	4	0.56
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	4	0.56
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	4	0.56
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	4	0.56
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	5	0.56
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	5	0.56
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	5	0.56
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	5	0.56
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	5	0.56
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	5	0.56
(1,975)	1:23:A:PRO:HA	1:24:A:ILE:HD13	16	0.56
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	22	0.56
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	17	0.56
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	9	0.56
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	9	0.56
(1,604)	1:17:A:LEU:HA	1:18:A:ALA:HB2	13	0.56
(1,441)	1:14:A:ILE:H	1:15:A:GLY:H	19	0.56
(1,401)	1:70:A:GLU:HG2	1:67:A:SER:H	2	0.56
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	8	0.56
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	20	0.56
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	22	0.56
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	22	0.56
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	22	0.56
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	1	0.56
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	7	0.56
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	14	0.56
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	20	0.56
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	6	0.56
(1,289)	1:7:A:GLU:HG3	1:4:A:GLY:H	4	0.56
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	6	0.56
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	12	0.56
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	18	0.56
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	18	0.55
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	21	0.55
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	12	0.55
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	17	0.55
(1,1591)	1:81:A:LEU:HD23	1:6:A:LYS:HA	9	0.55
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	12	0.55
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	22	0.55
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB3	15	0.55
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	20	0.55
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	22	0.55
(1,1528)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	12	0.55
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	14	0.55
(1,1494)	1:66:A:LYS:HD3	1:67:A:SER:H	1	0.55
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	18	0.55
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	24	0.55
(1,1398)	1:8:A:ASP:H	1:6:A:LYS:H	16	0.55
(1,1388)	1:71:A:VAL:HG22	1:69:A:GLU:H	16	0.55
(1,1388)	1:71:A:VAL:HG21	1:69:A:GLU:H	21	0.55
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	1	0.55
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	2	0.55
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	20	0.55
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	11	0.55
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	11	0.55
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	11	0.55
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	11	0.55
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	11	0.55
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	11	0.55
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	11	0.55
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	11	0.55
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	11	0.55
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	20	0.55
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	20	0.55
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	16	0.55
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	14	0.55
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	14	0.55
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	14	0.55
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	8	0.55
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	8	0.55
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	8	0.55
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	21	0.55
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	21	0.55
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	20	0.55
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	21	0.55
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	21	0.55
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	21	0.55
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	7	0.55
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	7	0.55
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	7	0.55
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	7	0.55
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	7	0.55
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	7	0.55
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	15	0.55
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	15	0.55
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	15	0.55
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	15	0.55
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	15	0.55
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	9	0.55
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	9	0.55
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	23	0.55
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA2	5	0.55
(1,914)	1:47:A:VAL:HG11	1:45:A:GLY:HA3	5	0.55
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA2	5	0.55
(1,914)	1:47:A:VAL:HG12	1:45:A:GLY:HA3	5	0.55
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA2	5	0.55
(1,914)	1:47:A:VAL:HG13	1:45:A:GLY:HA3	5	0.55
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	5	0.55
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	5	0.55
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	5	0.55
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	25	0.55
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	25	0.55
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	25	0.55
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB3	24	0.55
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB3	24	0.55
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	9	0.55
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	21	0.55
(1,604)	1:17:A:LEU:HA	1:18:A:ALA:HB2	24	0.55
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	18	0.55
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	18	0.55
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	2	0.55
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	8	0.55
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	16	0.55
(1,401)	1:70:A:GLU:HG2	1:67:A:SER:H	9	0.55
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	3	0.55
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	18	0.55
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	19	0.55
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	19	0.55
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	19	0.55
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	24	0.55
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	24	0.55
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	24	0.55
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	6	0.55
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	25	0.55
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	22	0.55
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	11	0.55
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	11	0.55
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	11	0.55
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	13	0.55
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	13	0.55
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	13	0.55
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	25	0.55
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	17	0.55
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	14	0.55
(1,77)	1:30:A:LEU:HB2	1:17:A:LEU:H	22	0.55
(1,77)	1:30:A:LEU:HB3	1:17:A:LEU:H	22	0.55
(1,44)	1:17:A:LEU:HB2	1:15:A:GLY:H	23	0.55
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	25	0.54
(1,1765)	1:8:A:ASP:H	1:9:A:ILE:HG21	23	0.54
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	25	0.54
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	22	0.54
(1,1591)	1:81:A:LEU:HD22	1:6:A:LYS:HA	17	0.54
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	23	0.54
(1,1551)	1:5:A:VAL:HB	1:8:A:ASP:HB2	25	0.54
(1,1530)	1:68:A:ALA:HB1	1:65:A:PHE:HB3	10	0.54
(1,1530)	1:68:A:ALA:HB1	1:65:A:PHE:HB3	19	0.54
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	17	0.54
(1,1477)	1:9:A:ILE:HG21	1:8:A:ASP:H	23	0.54
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	10	0.54
(1,1388)	1:71:A:VAL:HG21	1:69:A:GLU:H	11	0.54
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	3	0.54
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	3	0.54
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	3	0.54
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	12	0.54
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	12	0.54
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	12	0.54
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	15	0.54
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	15	0.54
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	10	0.54
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	2	0.54
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	2	0.54
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	20	0.54
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	20	0.54
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	20	0.54
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	20	0.54
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	20	0.54
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD21	9	0.54
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD22	9	0.54
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD23	9	0.54
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD21	9	0.54
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD22	9	0.54
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD23	9	0.54
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD21	16	0.54
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD22	16	0.54
(1,1038)	1:72:A:ALA:H	1:58:A:LEU:HD23	16	0.54
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	1	0.54
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	25	0.54
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	6	0.54
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	6	0.54
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	6	0.54
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	19	0.54
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	19	0.54
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	19	0.54
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	23	0.54
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	23	0.54
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	23	0.54
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	25	0.54
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	25	0.54
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	25	0.54
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	13	0.54
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	13	0.54
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	13	0.54
(1,740)	1:57:A:VAL:HG21	1:54:A:ALA:HA	11	0.54
(1,740)	1:57:A:VAL:HG22	1:54:A:ALA:HA	11	0.54
(1,740)	1:57:A:VAL:HG23	1:54:A:ALA:HA	11	0.54
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	13	0.54
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	13	0.54
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	9	0.54
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	9	0.54
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	3	0.54
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	13	0.54
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	24	0.54
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	15	0.54
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	22	0.54
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	16	0.54
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	10	0.54
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	14	0.54
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	14	0.54
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	13	0.54
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	13	0.54
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	13	0.54
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	1	0.54
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	4	0.54
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	6	0.54
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	7	0.54
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	22	0.54
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	22	0.54
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	22	0.54
(1,112)	1:2:A:LYS:HB2	1:3:A:MET:H	16	0.54
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD22	7	0.53
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD21	2	0.53
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD23	23	0.53
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	24	0.53
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD11	25	0.53
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	15	0.53
(1,1752)	1:34:A:LEU:HD13	1:31:A:MET:HE2	18	0.53
(1,1752)	1:34:A:LEU:HD12	1:31:A:MET:HE2	21	0.53
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	14	0.53
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	14	0.53
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	19	0.53
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	21	0.53
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	7	0.53
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	7	0.53
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	8	0.53
(1,1388)	1:71:A:VAL:HG21	1:69:A:GLU:H	12	0.53
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	20	0.53
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG2	16	0.53
(1,1272)	1:30:A:LEU:HD11	1:27:A:PRO:HG3	16	0.53
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG2	16	0.53
(1,1272)	1:30:A:LEU:HD12	1:27:A:PRO:HG3	16	0.53
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG2	16	0.53
(1,1272)	1:30:A:LEU:HD13	1:27:A:PRO:HG3	16	0.53
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	17	0.53
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	17	0.53
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	18	0.53
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	18	0.53
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	18	0.53
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	19	0.53
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	19	0.53
(1,1063)	1:34:A:LEU:HD21	1:31:A:MET:HB3	18	0.53
(1,1063)	1:34:A:LEU:HD22	1:31:A:MET:HB3	18	0.53
(1,1063)	1:34:A:LEU:HD23	1:31:A:MET:HB3	18	0.53
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	18	0.53
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	18	0.53
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	18	0.53
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	1	0.53
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	1	0.53
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	16	0.53
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	17	0.53
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	17	0.53
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	17	0.53
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	17	0.53
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	17	0.53
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	17	0.53
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	25	0.53
(1,625)	1:69:A:GLU:HB2	1:70:A:GLU:HB2	2	0.53
(1,625)	1:69:A:GLU:HB3	1:70:A:GLU:HB2	2	0.53
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	2	0.53
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	5	0.53
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	9	0.53
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	22	0.53
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	13	0.53
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	13	0.53
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	13	0.53
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	20	0.53
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	20	0.53
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	20	0.53
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	4	0.53
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	7	0.53
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	11	0.53
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	17	0.53
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	8	0.53
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	8	0.53
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	8	0.53
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	10	0.53
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	10	0.53
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	10	0.53
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	11	0.53
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	11	0.53
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	12	0.53
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	12	0.53
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	12	0.53
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	16	0.53
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	3	0.53
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	9	0.53
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	15	0.53
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	23	0.53
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	10	0.53
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD22	17	0.52
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	16	0.52
(1,1729)	1:16:A:ALA:HB3	1:34:A:LEU:HD21	17	0.52
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	16	0.52
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	22	0.52
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	23	0.52
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	9	0.52
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	10	0.52
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	15	0.52
(1,1378)	1:27:A:PRO:HA	1:30:A:LEU:H	16	0.52
(1,1367)	1:14:A:ILE:HG21	1:13:A:ILE:H	8	0.52
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	22	0.52
(1,1309)	1:34:A:LEU:HD11	1:31:A:MET:HE2	15	0.52
(1,1309)	1:34:A:LEU:HD12	1:31:A:MET:HE2	15	0.52
(1,1309)	1:34:A:LEU:HD13	1:31:A:MET:HE2	15	0.52
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	12	0.52
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	12	0.52
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	1	0.52
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	1	0.52
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	9	0.52
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	9	0.52
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	9	0.52
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	17	0.52
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	17	0.52
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	2	0.52
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	2	0.52
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	2	0.52
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	2	0.52
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	2	0.52
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	2	0.52
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	23	0.52
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	23	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	23	0.52
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	23	0.52
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	23	0.52
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	23	0.52
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	2	0.52
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	6	0.52
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	7	0.52
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	10	0.52
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	13	0.52
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	15	0.52
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	21	0.52
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	25	0.52
(1,604)	1:17:A:LEU:HA	1:18:A:ALA:HB2	19	0.52
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	1	0.52
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	8	0.52
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	14	0.52
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	20	0.52
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	20	0.52
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	20	0.52
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	20	0.52
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	20	0.52
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	9	0.52
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	13	0.52
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	19	0.52
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	8	0.52
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	3	0.52
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	3	0.52
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	3	0.52
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	7	0.52
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	7	0.52
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	7	0.52
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	11	0.52
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	11	0.52
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	11	0.52
(1,366)	1:60:A:ALA:H	1:58:A:LEU:H	22	0.52
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	2	0.52
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	2	0.52
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	2	0.52
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	6	0.52
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	10	0.52
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	18	0.52
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	18	0.52
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	1	0.52
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	5	0.52
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	12	0.52
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	13	0.52
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	8	0.52
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	8	0.52
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	18	0.52
(1,1840)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	11	0.51
(1,1809)	1:65:A:PHE:HD2	1:30:A:LEU:HD22	9	0.51
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	11	0.51
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD12	10	0.51
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	1	0.51
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	3	0.51
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	2	0.51
(1,1621)	1:75:A:ILE:HG22	1:76:A:VAL:HG12	24	0.51
(1,1591)	1:81:A:LEU:HD23	1:6:A:LYS:HA	16	0.51
(1,1539)	1:49:A:LEU:HD13	1:79:A:ALA:HB1	25	0.51
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	10	0.51
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	15	0.51
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	12	0.51
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	8	0.51
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	15	0.51
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	15	0.51
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	15	0.51
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	15	0.51
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	15	0.51
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	15	0.51
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	15	0.51
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	15	0.51
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	15	0.51
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	19	0.51
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	19	0.51
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	16	0.51
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	16	0.51
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	16	0.51
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	16	0.51
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	16	0.51
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	16	0.51
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	5	0.51
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	5	0.51
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	25	0.51
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	25	0.51
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	25	0.51
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	17	0.51
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	17	0.51
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	17	0.51
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	17	0.51
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	17	0.51
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	17	0.51
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	24	0.51
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	24	0.51
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	24	0.51
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	24	0.51
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	24	0.51
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	24	0.51
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	2	0.51
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	2	0.51
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	2	0.51
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	4	0.51
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	4	0.51
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	4	0.51
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	6	0.51
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	6	0.51
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	6	0.51
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	16	0.51
(1,604)	1:17:A:LEU:HA	1:18:A:ALA:HB2	8	0.51
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	10	0.51
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	13	0.51
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	16	0.51
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	17	0.51
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	19	0.51
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	16	0.51
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	16	0.51
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	16	0.51
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	16	0.51
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	2	0.51
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	3	0.51
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	10	0.51
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	14	0.51
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	23	0.51
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	3	0.51
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	5	0.51
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	5	0.51
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	12	0.51
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	12	0.51
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	12	0.51
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	16	0.51
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	16	0.51
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	16	0.51
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	19	0.51
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	19	0.51
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	19	0.51
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	24	0.51
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	24	0.51
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	24	0.51
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	25	0.51
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	25	0.51
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	25	0.51
(1,401)	1:70:A:GLU:HG2	1:67:A:SER:H	13	0.51
(1,354)	1:35:A:PRO:HD3	1:33:A:ALA:H	16	0.51
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	6	0.51
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	6	0.51
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	6	0.51
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	12	0.51
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	9	0.51
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	9	0.51
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	9	0.51
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	8	0.51
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	21	0.51
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	16	0.51
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	16	0.51
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	16	0.51
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	16	0.51
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	22	0.51
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	20	0.5
(1,1729)	1:16:A:ALA:HB2	1:34:A:LEU:HD22	1	0.5
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	4	0.5
(1,1697)	1:81:A:LEU:HD11	1:76:A:VAL:HG11	10	0.5
(1,1697)	1:81:A:LEU:HD12	1:76:A:VAL:HG12	13	0.5
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	9	0.5
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	6	0.5
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	18	0.5
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	2	0.5
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	4	0.5
(1,1591)	1:81:A:LEU:HD22	1:6:A:LYS:HA	2	0.5
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	20	0.5
(1,1530)	1:68:A:ALA:HB3	1:65:A:PHE:HB3	3	0.5
(1,1509)	1:57:A:VAL:HG23	1:79:A:ALA:HB1	2	0.5
(1,1398)	1:8:A:ASP:H	1:6:A:LYS:H	23	0.5
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	2	0.5
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	1	0.5
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	1	0.5
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	8	0.5
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	8	0.5
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	9	0.5
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	9	0.5
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	9	0.5
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	1	0.5
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	1	0.5
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	1	0.5
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA2	10	0.5
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA3	10	0.5
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA2	10	0.5
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA3	10	0.5
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA2	10	0.5
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA3	10	0.5
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	14	0.5
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	14	0.5
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	14	0.5
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	4	0.5
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	6	0.5
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	21	0.5
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	23	0.5
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	1	0.5
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	4	0.5
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	6	0.5
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	7	0.5
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	15	0.5
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	20	0.5
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	21	0.5
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	25	0.5
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	1	0.5
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	1	0.5
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	2	0.5
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	2	0.5
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	2	0.5
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	4	0.5
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	4	0.5
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	4	0.5
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	6	0.5
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	6	0.5
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	6	0.5
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	10	0.5
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	10	0.5
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	10	0.5
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	17	0.5
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	17	0.5
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	17	0.5
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	1	0.5
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	1	0.5
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	1	0.5
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	8	0.5
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	7	0.5
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	23	0.5
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	4	0.5
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	2	0.5
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	1	0.5
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	5	0.5
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	10	0.5
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	11	0.5
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	19	0.5
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	11	0.5
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	11	0.5
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	11	0.5
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	24	0.5
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD11	14	0.49
(1,1812)	1:64:A:PRO:HD3	1:22:A:PHE:HE2	22	0.49
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	12	0.49
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD12	22	0.49
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD23	12	0.49
(1,1647)	1:71:A:VAL:HG13	1:62:A:ASP:HB3	5	0.49
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	13	0.49
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	17	0.49
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	24	0.49
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	25	0.49
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	23	0.49
(1,1591)	1:81:A:LEU:HD23	1:6:A:LYS:HA	21	0.49
(1,1533)	1:68:A:ALA:HB3	1:69:A:GLU:HA	18	0.49
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	25	0.49
(1,1530)	1:68:A:ALA:HB3	1:65:A:PHE:HB3	5	0.49
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	22	0.49
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	1	0.49
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	5	0.49
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	10	0.49
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	11	0.49
(1,1388)	1:71:A:VAL:HG22	1:69:A:GLU:H	5	0.49
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	6	0.49
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	17	0.49
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	25	0.49
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	18	0.49
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	22	0.49
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	22	0.49
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	22	0.49
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	22	0.49
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	22	0.49
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	22	0.49
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	22	0.49
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	22	0.49
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	22	0.49
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	4	0.49
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	4	0.49
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	18	0.49
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	18	0.49
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	23	0.49
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	23	0.49
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	23	0.49
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	25	0.49
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	25	0.49
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	25	0.49
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	7	0.49
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	7	0.49
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	7	0.49
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	15	0.49
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	15	0.49
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	15	0.49
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	22	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	22	0.49
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	22	0.49
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	20	0.49
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	20	0.49
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	1	0.49
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	1	0.49
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	20	0.49
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA2	19	0.49
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA3	19	0.49
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA2	19	0.49
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA3	19	0.49
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA2	19	0.49
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA3	19	0.49
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	12	0.49
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	12	0.49
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	12	0.49
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	24	0.49
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	25	0.49
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	9	0.49
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	5	0.49
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	8	0.49
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	12	0.49
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	19	0.49
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	1	0.49
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	15	0.49
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	9	0.49
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	9	0.49
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	9	0.49
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	15	0.49
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	15	0.49
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	15	0.49
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	23	0.49
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	23	0.49
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	23	0.49
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	9	0.49
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	9	0.49
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	9	0.49
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	3	0.49
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	3	0.49
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	3	0.49
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	15	0.49
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	15	0.49
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	16	0.49
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	16	0.49
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	16	0.49
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	22	0.49
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	15	0.49
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	1	0.49
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	1	0.49
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	1	0.49
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	18	0.49
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	18	0.49
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	18	0.49
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	10	0.49
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	10	0.49
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	10	0.49
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	19	0.49
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	19	0.49
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	20	0.49
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	20	0.49
(1,68)	1:41:A:THR:HG21	1:40:A:THR:H	12	0.49
(1,68)	1:41:A:THR:HG22	1:40:A:THR:H	12	0.49
(1,68)	1:41:A:THR:HG23	1:40:A:THR:H	12	0.49
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	21	0.49
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	22	0.48
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	13	0.48
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	11	0.48
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	15	0.48
(1,1647)	1:71:A:VAL:HG11	1:62:A:ASP:HB3	17	0.48
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	4	0.48
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	7	0.48
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	19	0.48
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	25	0.48
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	21	0.48
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	11	0.48
(1,1530)	1:68:A:ALA:HB2	1:65:A:PHE:HB3	4	0.48
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	4	0.48
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	17	0.48
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	2	0.48
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	10	0.48
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	21	0.48
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	23	0.48
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	23	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	23	0.48
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	22	0.48
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	22	0.48
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	9	0.48
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	20	0.48
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	20	0.48
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	20	0.48
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	20	0.48
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	20	0.48
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	20	0.48
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	12	0.48
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	12	0.48
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	12	0.48
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	4	0.48
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	4	0.48
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	4	0.48
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	23	0.48
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	23	0.48
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	23	0.48
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	1	0.48
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	1	0.48
(1,1107)	1:48:A:GLU:HG2	1:43:A:LYS:HD3	13	0.48
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	25	0.48
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	25	0.48
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	25	0.48
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG3	9	0.48
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG3	9	0.48
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG3	9	0.48
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB1	8	0.48
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB2	8	0.48
(1,972)	1:57:A:VAL:HG21	1:54:A:ALA:HB3	8	0.48
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB1	8	0.48
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB2	8	0.48
(1,972)	1:57:A:VAL:HG22	1:54:A:ALA:HB3	8	0.48
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB1	8	0.48
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB2	8	0.48
(1,972)	1:57:A:VAL:HG23	1:54:A:ALA:HB3	8	0.48
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	20	0.48
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	20	0.48
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	18	0.48
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	18	0.48
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE2	13	0.48
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	22	0.48
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	22	0.48
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	12	0.48
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	15	0.48
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	11	0.48
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	16	0.48
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	17	0.48
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	22	0.48
(1,482)	1:66:A:LYS:HA	1:68:A:ALA:H	24	0.48
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	11	0.48
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	8	0.48
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	8	0.48
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	8	0.48
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	18	0.48
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	18	0.48
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	18	0.48
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	21	0.48
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	21	0.48
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	21	0.48
(1,342)	1:7:A:GLU:HB3	1:10:A:ARG:HE	16	0.48
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	17	0.48
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	17	0.48
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	17	0.48
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	23	0.48
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	23	0.48
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	23	0.48
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	10	0.48
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	14	0.48
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	21	0.48
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	2	0.48
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	25	0.48
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	25	0.48
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	25	0.48
(1,147)	1:43:A:LYS:HB3	1:41:A:THR:H	12	0.48
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	9	0.48
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	13	0.48
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	13	0.48
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	14	0.48
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	14	0.48
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	1	0.48
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	6	0.48
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	11	0.48
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	14	0.48
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	16	0.48
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	17	0.48
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	20	0.48
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	22	0.48
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	25	0.48
(1,33)	1:10:A:ARG:HD2	1:8:A:ASP:H	24	0.48
(1,1840)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	5	0.47
(1,1838)	1:9:A:ILE:HG23	1:81:A:LEU:HD22	13	0.47
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	15	0.47
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	11	0.47
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	3	0.47
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	11	0.47
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	8	0.47
(1,1635)	1:28:A:GLU:HG3	1:28:A:GLU:HA	10	0.47
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB1	9	0.47
(1,1528)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	24	0.47
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	5	0.47
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	14	0.47
(1,1398)	1:8:A:ASP:H	1:6:A:LYS:H	20	0.47
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	20	0.47
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	6	0.47
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	6	0.47
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	17	0.47
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	17	0.47
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	3	0.47
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	3	0.47
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	7	0.47
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	7	0.47
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	7	0.47
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	14	0.47
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	14	0.47
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	14	0.47
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	5	0.47
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	5	0.47
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	23	0.47
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	23	0.47
(1,1062)	1:34:A:LEU:HD11	1:31:A:MET:HB2	22	0.47
(1,1062)	1:34:A:LEU:HD12	1:31:A:MET:HB2	22	0.47
(1,1062)	1:34:A:LEU:HD13	1:31:A:MET:HB2	22	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	13	0.47
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	13	0.47
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	13	0.47
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	11	0.47
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	11	0.47
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	11	0.47
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	20	0.47
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	20	0.47
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	20	0.47
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB2	4	0.47
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB2	4	0.47
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE2	15	0.47
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	7	0.47
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	5	0.47
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	19	0.47
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	25	0.47
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	20	0.47
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	20	0.47
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	20	0.47
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	8	0.47
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	8	0.47
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	8	0.47
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	13	0.47
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	13	0.47
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	13	0.47
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	14	0.47
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	14	0.47
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	14	0.47
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	4	0.47
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	19	0.47
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	7	0.47
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	7	0.47
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	7	0.47
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	20	0.47
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	4	0.47
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	3	0.47
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	3	0.47
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	3	0.47
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	7	0.47
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	7	0.47
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	15	0.47
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	21	0.47
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	21	0.47
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	22	0.47
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	22	0.47
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	2	0.47
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	7	0.47
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	8	0.47
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	12	0.47
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	15	0.47
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	19	0.47
(1,1854)	1:76:A:VAL:HG21	1:13:A:ILE:HD13	23	0.46
(1,1840)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	4	0.46
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD12	24	0.46
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	9	0.46
(1,1799)	1:65:A:PHE:HD2	1:66:A:LYS:HA	18	0.46
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	15	0.46
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	6	0.46
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD12	14	0.46
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	15	0.46
(1,1710)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	5	0.46
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	12	0.46
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	22	0.46
(1,1621)	1:13:A:ILE:HD11	1:76:A:VAL:HG13	2	0.46
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	24	0.46
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	18	0.46
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	1	0.46
(1,1539)	1:49:A:LEU:HD11	1:79:A:ALA:HB3	23	0.46
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB3	6	0.46
(1,1509)	1:57:A:VAL:HG21	1:79:A:ALA:HB2	1	0.46
(1,1489)	1:49:A:LEU:HD23	1:46:A:ASP:H	6	0.46
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	3	0.46
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	17	0.46
(1,1388)	1:71:A:VAL:HG21	1:69:A:GLU:H	3	0.46
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	15	0.46
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	17	0.46
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	2	0.46
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	23	0.46
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	6	0.46
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	6	0.46
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	6	0.46
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	13	0.46
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	20	0.46
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	20	0.46
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	20	0.46
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG3	13	0.46
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG3	13	0.46
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG3	13	0.46
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG3	23	0.46
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG3	23	0.46
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG3	23	0.46
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE2	23	0.46
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	7	0.46
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	11	0.46
(1,540)	1:66:A:LYS:H	1:64:A:PRO:HA	18	0.46
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	4	0.46
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	6	0.46
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	7	0.46
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	22	0.46
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	22	0.46
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	22	0.46
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	12	0.46
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	12	0.46
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	12	0.46
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	15	0.46
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	15	0.46
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	15	0.46
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	1	0.46
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	5	0.46
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	5	0.46
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	5	0.46
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	21	0.46
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	21	0.46
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	21	0.46
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	8	0.46
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	15	0.46
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	15	0.46
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	15	0.46
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	25	0.46
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	2	0.46
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	5	0.46
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	10	0.46
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	13	0.46
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	19	0.46
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	19	0.46
(1,1840)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	1	0.45
(1,1840)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	12	0.45
(1,1840)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	14	0.45
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD22	5	0.45
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	19	0.45
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD23	17	0.45
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	11	0.45
(1,1603)	1:46:A:ASP:H	1:43:A:LYS:HB3	13	0.45
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB3	13	0.45
(1,1510)	1:49:A:LEU:HD11	1:79:A:ALA:HB3	20	0.45
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	14	0.45
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	25	0.45
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	11	0.45
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	19	0.45
(1,1367)	1:14:A:ILE:HD11	1:13:A:ILE:H	16	0.45
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	24	0.45
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	24	0.45
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	24	0.45
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	24	0.45
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	24	0.45
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	24	0.45
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	24	0.45
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	24	0.45
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	24	0.45
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	14	0.45
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	14	0.45
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	1	0.45
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	1	0.45
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	1	0.45
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	5	0.45
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	5	0.45
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	5	0.45
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	13	0.45
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	13	0.45
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	13	0.45
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	9	0.45
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	9	0.45
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	9	0.45
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	20	0.45
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	20	0.45
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	21	0.45
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	21	0.45
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	21	0.45
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	18	0.45
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	18	0.45
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	18	0.45
(1,938)	1:12:A:GLN:HG3	1:9:A:ILE:HA	25	0.45
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	10	0.45
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	3	0.45
(1,604)	1:17:A:LEU:HA	1:18:A:ALA:HB2	21	0.45
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	14	0.45
(1,409)	1:5:A:VAL:HG11	1:8:A:ASP:H	14	0.45
(1,409)	1:5:A:VAL:HG12	1:8:A:ASP:H	14	0.45
(1,409)	1:5:A:VAL:HG13	1:8:A:ASP:H	14	0.45
(1,352)	1:37:A:GLY:HA2	1:33:A:ALA:H	18	0.45
(1,352)	1:37:A:GLY:HA3	1:33:A:ALA:H	18	0.45
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	17	0.45
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	17	0.45
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	17	0.45
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	12	0.45
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	14	0.45
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	24	0.45
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	24	0.45
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	24	0.45
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	16	0.45
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	17	0.45
(1,112)	1:2:A:LYS:HB3	1:3:A:MET:H	3	0.45
(1,112)	1:2:A:LYS:HB3	1:3:A:MET:H	18	0.45
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	3	0.45
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	9	0.45
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	18	0.45
(1,35)	1:64:A:PRO:HB2	1:65:A:PHE:H	23	0.45
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	17	0.45
(1,1840)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	17	0.44
(1,1793)	1:10:A:ARG:HB2	1:13:A:ILE:HD11	24	0.44
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	12	0.44
(1,1736)	1:75:A:ILE:HD12	1:58:A:LEU:HD13	24	0.44
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD11	23	0.44
(1,1729)	1:16:A:ALA:HB2	1:34:A:LEU:HD21	12	0.44
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	19	0.44
(1,1697)	1:81:A:LEU:HD12	1:76:A:VAL:HG11	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	6	0.44
(1,1647)	1:71:A:VAL:HG13	1:62:A:ASP:HB3	24	0.44
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	21	0.44
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	5	0.44
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	7	0.44
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	25	0.44
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	18	0.44
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	22	0.44
(1,1309)	1:34:A:LEU:HD11	1:31:A:MET:HE2	8	0.44
(1,1309)	1:34:A:LEU:HD12	1:31:A:MET:HE2	8	0.44
(1,1309)	1:34:A:LEU:HD13	1:31:A:MET:HE2	8	0.44
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	7	0.44
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	7	0.44
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	19	0.44
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	19	0.44
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	25	0.44
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	25	0.44
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	8	0.44
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	8	0.44
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	8	0.44
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	8	0.44
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	8	0.44
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	8	0.44
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	8	0.44
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	8	0.44
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	8	0.44
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	24	0.44
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	24	0.44
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	24	0.44
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	24	0.44
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	24	0.44
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	24	0.44
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	24	0.44
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	24	0.44
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	24	0.44
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	7	0.44
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	7	0.44
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	7	0.44
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	22	0.44
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	22	0.44
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	22	0.44
(1,938)	1:12:A:GLN:HG3	1:9:A:ILE:HA	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	24	0.44
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	24	0.44
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	2	0.44
(1,757)	1:64:A:PRO:HG2	1:61:A:ASP:HA	1	0.44
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	10	0.44
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	22	0.44
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	24	0.44
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	24	0.44
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	24	0.44
(1,298)	1:70:A:GLU:HB2	1:70:A:GLU:H	4	0.44
(1,223)	1:17:A:LEU:HB2	1:30:A:LEU:H	22	0.44
(1,223)	1:17:A:LEU:HB3	1:30:A:LEU:H	22	0.44
(1,134)	1:26:A:SER:HB2	1:30:A:LEU:H	16	0.44
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	24	0.44
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	5	0.44
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	5	0.44
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	5	0.44
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	9	0.44
(1,1854)	1:76:A:VAL:HG21	1:13:A:ILE:HD11	18	0.43
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	1	0.43
(1,1736)	1:75:A:ILE:HD12	1:58:A:LEU:HD13	14	0.43
(1,1729)	1:16:A:ALA:HB1	1:34:A:LEU:HD22	11	0.43
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	6	0.43
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD21	8	0.43
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	1	0.43
(1,1646)	1:49:A:LEU:HD13	1:10:A:ARG:HD2	15	0.43
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	15	0.43
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	20	0.43
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	3	0.43
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	14	0.43
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	3	0.43
(1,1539)	1:49:A:LEU:HD11	1:79:A:ALA:HB2	22	0.43
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	8	0.43
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	12	0.43
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	19	0.43
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	24	0.43
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	24	0.43
(1,1367)	1:14:A:ILE:HD11	1:13:A:ILE:H	10	0.43
(1,1352)	1:75:A:ILE:HG12	1:77:A:ASN:H	15	0.43
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	9	0.43
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	14	0.43
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	20	0.43
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	20	0.43
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	18	0.43
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	18	0.43
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	18	0.43
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	18	0.43
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	18	0.43
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	18	0.43
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	11	0.43
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	11	0.43
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	11	0.43
(1,1096)	1:28:A:GLU:HG2	1:31:A:MET:HE2	25	0.43
(1,1080)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	22	0.43
(1,1080)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	22	0.43
(1,1080)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	22	0.43
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	5	0.43
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	5	0.43
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	5	0.43
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	18	0.43
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	18	0.43
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	18	0.43
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA2	18	0.43
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA3	18	0.43
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	20	0.43
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	2	0.43
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	5	0.43
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	5	0.43
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	5	0.43
(1,740)	1:57:A:VAL:HG21	1:54:A:ALA:HA	21	0.43
(1,740)	1:57:A:VAL:HG22	1:54:A:ALA:HA	21	0.43
(1,740)	1:57:A:VAL:HG23	1:54:A:ALA:HA	21	0.43
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	12	0.43
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	12	0.43
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	13	0.43
(1,401)	1:70:A:GLU:HG2	1:67:A:SER:H	18	0.43
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	1	0.43
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	1	0.43
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	1	0.43
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	21	0.43
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	21	0.43
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	21	0.43
(1,330)	1:62:A:ASP:HB2	1:60:A:ALA:H	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	9	0.43
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	4	0.43
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	4	0.43
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	4	0.43
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	5	0.43
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	5	0.43
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	5	0.43
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	25	0.43
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD21	4	0.42
(1,1809)	1:65:A:PHE:HD2	1:58:A:LEU:HD11	6	0.42
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	24	0.42
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	6	0.42
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD12	1	0.42
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD11	3	0.42
(1,1710)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	14	0.42
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	11	0.42
(1,1567)	1:57:A:VAL:HG13	1:53:A:ASP:HA	3	0.42
(1,1485)	1:31:A:MET:HB3	1:30:A:LEU:H	2	0.42
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	4	0.42
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	7	0.42
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	18	0.42
(1,1398)	1:4:A:GLY:H	1:6:A:LYS:H	5	0.42
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	13	0.42
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	9	0.42
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	9	0.42
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	9	0.42
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	9	0.42
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	9	0.42
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	9	0.42
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	9	0.42
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	9	0.42
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	9	0.42
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	15	0.42
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	22	0.42
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	22	0.42
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	22	0.42
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	22	0.42
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	22	0.42
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	22	0.42
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	6	0.42
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	6	0.42
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	17	0.42
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	17	0.42
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	17	0.42
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD11	16	0.42
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD12	16	0.42
(1,1126)	1:72:A:ALA:HB1	1:75:A:ILE:HD13	16	0.42
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD11	16	0.42
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD12	16	0.42
(1,1126)	1:72:A:ALA:HB2	1:75:A:ILE:HD13	16	0.42
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD11	16	0.42
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD12	16	0.42
(1,1126)	1:72:A:ALA:HB3	1:75:A:ILE:HD13	16	0.42
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	3	0.42
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	3	0.42
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	3	0.42
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	11	0.42
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	11	0.42
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	11	0.42
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	6	0.42
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	6	0.42
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	6	0.42
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	10	0.42
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	10	0.42
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	21	0.42
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	10	0.42
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB2	1	0.42
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB2	1	0.42
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	19	0.42
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	17	0.42
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	19	0.42
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	18	0.42
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	18	0.42
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	18	0.42
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	19	0.42
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	19	0.42
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	19	0.42
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	2	0.42
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	2	0.42
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	2	0.42
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	4	0.42
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	4	0.42
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:16:A:ALA:HB1	1:14:A:ILE:H	7	0.42
(1,320)	1:16:A:ALA:HB2	1:14:A:ILE:H	7	0.42
(1,320)	1:16:A:ALA:HB3	1:14:A:ILE:H	7	0.42
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	11	0.42
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	6	0.42
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	21	0.42
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	20	0.42
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	20	0.42
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	20	0.42
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	25	0.42
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	25	0.42
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	25	0.42
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	25	0.42
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	25	0.42
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	25	0.42
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	25	0.42
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	25	0.42
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	18	0.42
(1,1840)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	15	0.41
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	8	0.41
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	2	0.41
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD11	9	0.41
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	21	0.41
(1,1621)	1:13:A:ILE:HD12	1:76:A:VAL:HG11	16	0.41
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	25	0.41
(1,1538)	1:58:A:LEU:HG	1:51:A:ALA:HB3	25	0.41
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	13	0.41
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	16	0.41
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	21	0.41
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	24	0.41
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	24	0.41
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	24	0.41
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	6	0.41
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	6	0.41
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	22	0.41
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	22	0.41
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	4	0.41
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	4	0.41
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	4	0.41
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	16	0.41
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	16	0.41
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	14	0.41
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	14	0.41
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	1	0.41
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	1	0.41
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	1	0.41
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	20	0.41
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	20	0.41
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	20	0.41
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	21	0.41
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	21	0.41
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	21	0.41
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	18	0.41
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	18	0.41
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	18	0.41
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	20	0.41
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	20	0.41
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	20	0.41
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	14	0.41
(1,457)	1:48:A:GLU:HG2	1:48:A:GLU:H	6	0.41
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	5	0.41
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	5	0.41
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	5	0.41
(1,341)	1:31:A:MET:HE2	1:28:A:GLU:H	4	0.41
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	20	0.41
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	19	0.41
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	19	0.41
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	19	0.41
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	1	0.41
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	1	0.41
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	1	0.41
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	1	0.41
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	4	0.41
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	10	0.41
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	11	0.41
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	12	0.41
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	16	0.41
(1,1850)	1:76:A:VAL:HG13	1:75:A:ILE:HG23	2	0.4
(1,1850)	1:76:A:VAL:HG13	1:75:A:ILE:HG22	17	0.4
(1,1850)	1:76:A:VAL:HG12	1:75:A:ILE:HG22	22	0.4
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD12	6	0.4
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	5	0.4
(1,1729)	1:16:A:ALA:HB3	1:34:A:LEU:HD22	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	16	0.4
(1,1533)	1:68:A:ALA:HB2	1:69:A:GLU:HA	5	0.4
(1,1509)	1:57:A:VAL:HG21	1:79:A:ALA:HB1	17	0.4
(1,1494)	1:66:A:LYS:HD3	1:67:A:SER:H	13	0.4
(1,1462)	1:24:A:ILE:HD13	1:26:A:SER:H	7	0.4
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	6	0.4
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	23	0.4
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	13	0.4
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	23	0.4
(1,1367)	1:14:A:ILE:HG21	1:13:A:ILE:H	22	0.4
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	10	0.4
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	10	0.4
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	11	0.4
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	11	0.4
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	24	0.4
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	24	0.4
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	7	0.4
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	7	0.4
(1,1063)	1:34:A:LEU:HD11	1:31:A:MET:HB3	10	0.4
(1,1063)	1:34:A:LEU:HD12	1:31:A:MET:HB3	10	0.4
(1,1063)	1:34:A:LEU:HD13	1:31:A:MET:HB3	10	0.4
(1,1062)	1:34:A:LEU:HD21	1:31:A:MET:HB2	2	0.4
(1,1062)	1:34:A:LEU:HD22	1:31:A:MET:HB2	2	0.4
(1,1062)	1:34:A:LEU:HD23	1:31:A:MET:HB2	2	0.4
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	1	0.4
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	1	0.4
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	1	0.4
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG3	3	0.4
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG3	3	0.4
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG3	3	0.4
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG3	14	0.4
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG3	14	0.4
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG3	14	0.4
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	19	0.4
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	19	0.4
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	19	0.4
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	19	0.4
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	6	0.4
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	23	0.4
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	23	0.4
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	23	0.4
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	4	0.4
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	4	0.4
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	23	0.4
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	23	0.4
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	23	0.4
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	7	0.4
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	7	0.4
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	13	0.4
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	13	0.4
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	2	0.4
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	2	0.4
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	2	0.4
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	2	0.4
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	6	0.4
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	6	0.4
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	6	0.4
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	6	0.4
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	9	0.4
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	18	0.4
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	22	0.4
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	22	0.4
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	22	0.4
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	8	0.4
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	11	0.4
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	16	0.4
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	17	0.4
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	21	0.4
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	23	0.4
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	6	0.4
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	6	0.4
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	24	0.4
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	24	0.4
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	2	0.4
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	17	0.4
(1,1838)	1:9:A:ILE:HG23	1:81:A:LEU:HD22	1	0.39
(1,1837)	1:5:A:VAL:HG11	1:81:A:LEU:HD22	23	0.39
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	7	0.39
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG21	16	0.39
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	13	0.39
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG13	23	0.39
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG12	24	0.39
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:81:A:LEU:HD22	1:6:A:LYS:HA	19	0.39
(1,1590)	1:5:A:VAL:HG12	1:6:A:LYS:HA	11	0.39
(1,1590)	1:5:A:VAL:HG13	1:6:A:LYS:HA	13	0.39
(1,1590)	1:5:A:VAL:HG13	1:6:A:LYS:HA	19	0.39
(1,1590)	1:5:A:VAL:HG12	1:6:A:LYS:HA	20	0.39
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	24	0.39
(1,1485)	1:31:A:MET:HB3	1:30:A:LEU:H	21	0.39
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	15	0.39
(1,1367)	1:14:A:ILE:HD13	1:13:A:ILE:H	6	0.39
(1,1367)	1:14:A:ILE:HD11	1:13:A:ILE:H	21	0.39
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	8	0.39
(1,1348)	1:49:A:LEU:HB3	1:51:A:ALA:H	21	0.39
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	1	0.39
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	1	0.39
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	1	0.39
(1,1207)	1:65:A:PHE:HD2	1:24:A:ILE:HG21	14	0.39
(1,1207)	1:65:A:PHE:HD2	1:24:A:ILE:HG22	14	0.39
(1,1207)	1:65:A:PHE:HD2	1:24:A:ILE:HG23	14	0.39
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	25	0.39
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	25	0.39
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	22	0.39
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	19	0.39
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	19	0.39
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	19	0.39
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	2	0.39
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	2	0.39
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	2	0.39
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	10	0.39
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	10	0.39
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	10	0.39
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG3	4	0.39
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG3	4	0.39
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG3	4	0.39
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	12	0.39
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	24	0.39
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	15	0.39
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	15	0.39
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	15	0.39
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	21	0.39
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	21	0.39
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	21	0.39
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	22	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	22	0.39
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	22	0.39
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	25	0.39
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	25	0.39
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	25	0.39
(1,798)	1:75:A:ILE:HD11	1:72:A:ALA:HA	4	0.39
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	5	0.39
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	5	0.39
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	5	0.39
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	17	0.39
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	17	0.39
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	17	0.39
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	20	0.39
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	20	0.39
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	20	0.39
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	25	0.39
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	25	0.39
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	25	0.39
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	11	0.39
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	11	0.39
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	11	0.39
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	11	0.39
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	14	0.39
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	14	0.39
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	14	0.39
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	25	0.39
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	25	0.39
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	25	0.39
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	5	0.39
(1,288)	1:8:A:ASP:HB3	1:4:A:GLY:H	15	0.39
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	18	0.39
(1,229)	1:71:A:VAL:HG11	1:68:A:ALA:H	18	0.39
(1,229)	1:71:A:VAL:HG12	1:68:A:ALA:H	18	0.39
(1,229)	1:71:A:VAL:HG13	1:68:A:ALA:H	18	0.39
(1,207)	1:75:A:ILE:HD11	1:72:A:ALA:H	4	0.39
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	2	0.39
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	2	0.39
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	2	0.39
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	1	0.39
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	12	0.39
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	18	0.39
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	21	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	23	0.39
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	24	0.39
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	15	0.39
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	22	0.39
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	17	0.39
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	17	0.39
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	3	0.39
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	5	0.39
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	6	0.39
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	7	0.39
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	21	0.39
(1,1850)	1:76:A:VAL:HG13	1:75:A:ILE:HG23	21	0.38
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD23	9	0.38
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD22	16	0.38
(1,1830)	1:71:A:VAL:HG23	1:58:A:LEU:HD13	10	0.38
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	22	0.38
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG23	19	0.38
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	10	0.38
(1,1736)	1:75:A:ILE:HD11	1:58:A:LEU:HD11	23	0.38
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	4	0.38
(1,1590)	1:5:A:VAL:HG11	1:6:A:LYS:HA	2	0.38
(1,1590)	1:5:A:VAL:HG12	1:6:A:LYS:HA	7	0.38
(1,1590)	1:5:A:VAL:HG13	1:6:A:LYS:HA	15	0.38
(1,1590)	1:5:A:VAL:HG12	1:6:A:LYS:HA	22	0.38
(1,1590)	1:5:A:VAL:HG13	1:6:A:LYS:HA	25	0.38
(1,1485)	1:31:A:MET:HB3	1:30:A:LEU:H	9	0.38
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	4	0.38
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	9	0.38
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	22	0.38
(1,1444)	1:13:A:ILE:HG23	1:71:A:VAL:H	7	0.38
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	21	0.38
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	13	0.38
(1,1367)	1:14:A:ILE:HD13	1:13:A:ILE:H	3	0.38
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	15	0.38
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	15	0.38
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	16	0.38
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	16	0.38
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	4	0.38
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	4	0.38
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	4	0.38
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	4	0.38
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	4	0.38
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	15	0.38
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	15	0.38
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	15	0.38
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	15	0.38
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	15	0.38
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	15	0.38
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	21	0.38
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	21	0.38
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	21	0.38
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	21	0.38
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	21	0.38
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	21	0.38
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	3	0.38
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	3	0.38
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD21	22	0.38
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD22	22	0.38
(1,1066)	1:31:A:MET:HG2	1:34:A:LEU:HD23	22	0.38
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD21	22	0.38
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD22	22	0.38
(1,1066)	1:31:A:MET:HG3	1:34:A:LEU:HD23	22	0.38
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	10	0.38
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	10	0.38
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	10	0.38
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG3	5	0.38
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG3	5	0.38
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG3	5	0.38
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	3	0.38
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	14	0.38
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA2	13	0.38
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA3	13	0.38
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA2	13	0.38
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA3	13	0.38
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA2	13	0.38
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA3	13	0.38
(1,810)	1:9:A:ILE:HA	1:12:A:GLN:HG3	20	0.38
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	6	0.38
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	20	0.38
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	20	0.38
(1,597)	1:67:A:SER:HA	1:70:A:GLU:HB3	11	0.38
(1,597)	1:67:A:SER:HA	1:70:A:GLU:HB3	24	0.38
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	19	0.38
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	19	0.38
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	19	0.38
(1,413)	1:6:A:LYS:HD3	1:6:A:LYS:H	23	0.38
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	16	0.38
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	3	0.38
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	3	0.38
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	3	0.38
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	10	0.38
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	15	0.38
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	8	0.38
(1,112)	1:2:A:LYS:HB2	1:3:A:MET:H	5	0.38
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	2	0.38
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	2	0.38
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	5	0.38
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	5	0.38
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	13	0.38
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	14	0.38
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	15	0.38
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	19	0.38
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	20	0.38
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	21	0.38
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	22	0.38
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	24	0.38
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	25	0.38
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	20	0.38
(1,1840)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	24	0.37
(1,1838)	1:9:A:ILE:HG22	1:81:A:LEU:HD23	3	0.37
(1,1838)	1:9:A:ILE:HG23	1:81:A:LEU:HD23	11	0.37
(1,1729)	1:16:A:ALA:HB3	1:34:A:LEU:HD22	15	0.37
(1,1710)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	7	0.37
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	17	0.37
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	5	0.37
(1,1590)	1:5:A:VAL:HG11	1:6:A:LYS:HA	1	0.37
(1,1590)	1:5:A:VAL:HG12	1:6:A:LYS:HA	3	0.37
(1,1590)	1:5:A:VAL:HG12	1:6:A:LYS:HA	4	0.37
(1,1590)	1:5:A:VAL:HG12	1:6:A:LYS:HA	6	0.37
(1,1590)	1:76:A:VAL:HG13	1:6:A:LYS:HA	10	0.37
(1,1590)	1:76:A:VAL:HG12	1:6:A:LYS:HA	17	0.37
(1,1590)	1:5:A:VAL:HG12	1:6:A:LYS:HA	21	0.37
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	12	0.37
(1,1533)	1:68:A:ALA:HB3	1:69:A:GLU:HA	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	15	0.37
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	14	0.37
(1,1388)	1:71:A:VAL:HG23	1:69:A:GLU:H	18	0.37
(1,1367)	1:14:A:ILE:HD11	1:13:A:ILE:H	15	0.37
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	3	0.37
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	3	0.37
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	3	0.37
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	3	0.37
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	3	0.37
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	3	0.37
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	3	0.37
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	3	0.37
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	3	0.37
(1,1194)	1:63:A:PHE:HD1	1:25:A:ASN:HB2	21	0.37
(1,1194)	1:63:A:PHE:HD2	1:25:A:ASN:HB2	21	0.37
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	9	0.37
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	21	0.37
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	21	0.37
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	21	0.37
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	11	0.37
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	11	0.37
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG2	16	0.37
(1,1073)	1:30:A:LEU:HD21	1:27:A:PRO:HG3	16	0.37
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG2	16	0.37
(1,1073)	1:30:A:LEU:HD22	1:27:A:PRO:HG3	16	0.37
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG2	16	0.37
(1,1073)	1:30:A:LEU:HD23	1:27:A:PRO:HG3	16	0.37
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG2	12	0.37
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG3	12	0.37
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG2	12	0.37
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG3	12	0.37
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG2	12	0.37
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG3	12	0.37
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG3	12	0.37
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG3	12	0.37
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG3	12	0.37
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	24	0.37
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	24	0.37
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	24	0.37
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	25	0.37
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	25	0.37
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	25	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	6	0.37
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	6	0.37
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	7	0.37
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	18	0.37
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	8	0.37
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	8	0.37
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	8	0.37
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	17	0.37
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	17	0.37
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	17	0.37
(1,740)	1:57:A:VAL:HG21	1:54:A:ALA:HA	22	0.37
(1,740)	1:57:A:VAL:HG22	1:54:A:ALA:HA	22	0.37
(1,740)	1:57:A:VAL:HG23	1:54:A:ALA:HA	22	0.37
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	8	0.37
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	8	0.37
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	8	0.37
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	8	0.37
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	13	0.37
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	13	0.37
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	13	0.37
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	13	0.37
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	3	0.37
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	11	0.37
(1,352)	1:37:A:GLY:HA2	1:33:A:ALA:H	11	0.37
(1,352)	1:37:A:GLY:HA3	1:33:A:ALA:H	11	0.37
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	5	0.37
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	9	0.37
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	15	0.37
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	16	0.37
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	18	0.37
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	20	0.37
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	22	0.37
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	23	0.37
(1,234)	1:62:A:ASP:HB2	1:59:A:THR:H	2	0.37
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	6	0.37
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	6	0.37
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	6	0.37
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	2	0.37
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	3	0.37
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	6	0.37
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	7	0.37
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	19	0.37
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	20	0.37
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	25	0.37
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	13	0.37
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	20	0.37
(1,112)	1:2:A:LYS:HB2	1:3:A:MET:H	23	0.37
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	1	0.37
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	1	0.37
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	12	0.37
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	12	0.37
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	8	0.37
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	9	0.37
(1,103)	1:56:A:GLN:HA	1:57:A:VAL:H	23	0.37
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	1	0.37
(1,1837)	1:5:A:VAL:HG11	1:81:A:LEU:HD23	20	0.36
(1,1833)	1:27:A:PRO:HG3	1:30:A:LEU:HD23	16	0.36
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD11	7	0.36
(1,1830)	1:71:A:VAL:HG23	1:58:A:LEU:HD13	16	0.36
(1,1818)	1:66:A:LYS:HG2	1:65:A:PHE:HD2	18	0.36
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	20	0.36
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	6	0.36
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	21	0.36
(1,1729)	1:16:A:ALA:HB1	1:34:A:LEU:HD21	19	0.36
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD23	10	0.36
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	5	0.36
(1,1647)	1:71:A:VAL:HG12	1:62:A:ASP:HB3	20	0.36
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	12	0.36
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	20	0.36
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	23	0.36
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	2	0.36
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	18	0.36
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	19	0.36
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	2	0.36
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	22	0.36
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	21	0.36
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	21	0.36
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	21	0.36
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	21	0.36
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	21	0.36
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	21	0.36
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	21	0.36
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	21	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	21	0.36
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG21	23	0.36
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG22	23	0.36
(1,1006)	1:7:A:GLU:HB3	1:76:A:VAL:HG23	23	0.36
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	17	0.36
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	1	0.36
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	1	0.36
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	1	0.36
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	4	0.36
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	18	0.36
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	3	0.36
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	3	0.36
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	3	0.36
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	23	0.36
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	23	0.36
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	23	0.36
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	12	0.36
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	2	0.36
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	3	0.36
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	13	0.36
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	14	0.36
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	19	0.36
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	21	0.36
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	25	0.36
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	24	0.36
(1,121)	1:6:A:LYS:H	1:8:A:ASP:H	18	0.36
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	4	0.36
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	4	0.36
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	10	0.36
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	10	0.36
(1,1788)	1:6:A:LYS:H	1:9:A:ILE:HD11	20	0.35
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	8	0.35
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD11	24	0.35
(1,1603)	1:46:A:ASP:H	1:43:A:LYS:HB3	20	0.35
(1,1590)	1:5:A:VAL:HG13	1:6:A:LYS:HA	12	0.35
(1,1509)	1:57:A:VAL:HG21	1:79:A:ALA:HB3	25	0.35
(1,1485)	1:31:A:MET:HB3	1:30:A:LEU:H	20	0.35
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	15	0.35
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	1	0.35
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	14	0.35
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	6	0.35
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	3	0.35
(1,1367)	1:14:A:ILE:HD11	1:13:A:ILE:H	20	0.35
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	17	0.35
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	4	0.35
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	4	0.35
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	4	0.35
(1,1207)	1:65:A:PHE:HD2	1:24:A:ILE:HG21	10	0.35
(1,1207)	1:65:A:PHE:HD2	1:24:A:ILE:HG22	10	0.35
(1,1207)	1:65:A:PHE:HD2	1:24:A:ILE:HG23	10	0.35
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	9	0.35
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	9	0.35
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	9	0.35
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	9	0.35
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	9	0.35
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	9	0.35
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	2	0.35
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	2	0.35
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	2	0.35
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG21	24	0.35
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG22	24	0.35
(1,1145)	1:11:A:GLY:H	1:14:A:ILE:HG23	24	0.35
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	7	0.35
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	7	0.35
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	7	0.35
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	22	0.35
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	22	0.35
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	22	0.35
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	22	0.35
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	16	0.35
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	16	0.35
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	16	0.35
(1,798)	1:75:A:ILE:HD13	1:72:A:ALA:HA	18	0.35
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB3	21	0.35
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	8	0.35
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	21	0.35
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	23	0.35
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	25	0.35
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	24	0.35
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	10	0.35
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	10	0.35
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	10	0.35
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	1	0.35
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	4	0.35
(1,207)	1:75:A:ILE:HD12	1:72:A:ALA:H	12	0.35
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	11	0.35
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	4	0.35
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	5	0.35
(1,1840)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	7	0.34
(1,1838)	1:9:A:ILE:HG22	1:81:A:LEU:HD21	14	0.34
(1,1830)	1:71:A:VAL:HG22	1:58:A:LEU:HD12	18	0.34
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	12	0.34
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	3	0.34
(1,1621)	1:13:A:ILE:HD13	1:76:A:VAL:HG11	5	0.34
(1,1621)	1:13:A:ILE:HD13	1:76:A:VAL:HG12	10	0.34
(1,1603)	1:46:A:ASP:H	1:43:A:LYS:HB3	22	0.34
(1,1538)	1:58:A:LEU:HG	1:51:A:ALA:HB3	10	0.34
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	15	0.34
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	19	0.34
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	11	0.34
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	1	0.34
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	14	0.34
(1,1367)	1:14:A:ILE:HD12	1:13:A:ILE:H	17	0.34
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	16	0.34
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	16	0.34
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	16	0.34
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	16	0.34
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	16	0.34
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	16	0.34
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	16	0.34
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	16	0.34
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	16	0.34
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	5	0.34
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	5	0.34
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	5	0.34
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	5	0.34
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	5	0.34
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	5	0.34
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	23	0.34
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	23	0.34
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	23	0.34
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	23	0.34
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	23	0.34
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	23	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	4	0.34
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	9	0.34
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	9	0.34
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	9	0.34
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	7	0.34
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	7	0.34
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA2	1	0.34
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA3	1	0.34
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA2	1	0.34
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA3	1	0.34
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA2	1	0.34
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA3	1	0.34
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	24	0.34
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	24	0.34
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	24	0.34
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	16	0.34
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	16	0.34
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	16	0.34
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	18	0.34
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	18	0.34
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	18	0.34
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	4	0.34
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	4	0.34
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	4	0.34
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	4	0.34
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	17	0.34
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	17	0.34
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	17	0.34
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	17	0.34
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	6	0.34
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	16	0.34
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	18	0.34
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	20	0.34
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	4	0.34
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	4	0.34
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	4	0.34
(1,341)	1:31:A:MET:HE2	1:28:A:GLU:H	15	0.34
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	6	0.34
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	7	0.34
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	8	0.34
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	10	0.34
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	12	0.34
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	17	0.34
(1,284)	1:61:A:ASP:HA	1:62:A:ASP:H	24	0.34
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	4	0.34
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	18	0.34
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	18	0.34
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	23	0.34
(1,1838)	1:9:A:ILE:HG23	1:81:A:LEU:HD21	8	0.33
(1,1818)	1:66:A:LYS:HG2	1:65:A:PHE:HD2	14	0.33
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	25	0.33
(1,1804)	1:22:A:PHE:HE1	1:68:A:ALA:HA	22	0.33
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	5	0.33
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD11	23	0.33
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	1	0.33
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	20	0.33
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	12	0.33
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	18	0.33
(1,1647)	1:71:A:VAL:HG12	1:62:A:ASP:HB3	8	0.33
(1,1646)	1:49:A:LEU:HD11	1:10:A:ARG:HD2	22	0.33
(1,1621)	1:13:A:ILE:HD13	1:76:A:VAL:HG13	13	0.33
(1,1590)	1:5:A:VAL:HG13	1:6:A:LYS:HA	8	0.33
(1,1539)	1:49:A:LEU:HD11	1:79:A:ALA:HB2	18	0.33
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	9	0.33
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	17	0.33
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	13	0.33
(1,1399)	1:4:A:GLY:H	1:6:A:LYS:H	24	0.33
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	17	0.33
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	17	0.33
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	17	0.33
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	17	0.33
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	17	0.33
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	17	0.33
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	17	0.33
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	17	0.33
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	17	0.33
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	13	0.33
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	2	0.33
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	2	0.33
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	2	0.33
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	2	0.33
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	2	0.33
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	19	0.33
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	19	0.33
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	19	0.33
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	19	0.33
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	19	0.33
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	19	0.33
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	13	0.33
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	13	0.33
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	13	0.33
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	1	0.33
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	19	0.33
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG2	18	0.33
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG3	18	0.33
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG2	18	0.33
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG3	18	0.33
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG2	18	0.33
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG3	18	0.33
(1,938)	1:12:A:GLN:HG3	1:9:A:ILE:HA	19	0.33
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	20	0.33
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	2	0.33
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	2	0.33
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	2	0.33
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	13	0.33
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	13	0.33
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	13	0.33
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	1	0.33
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	1	0.33
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	1	0.33
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB3	1	0.33
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	22	0.33
(1,533)	1:27:A:PRO:HG2	1:31:A:MET:HE2	20	0.33
(1,533)	1:27:A:PRO:HG3	1:31:A:MET:HE2	20	0.33
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	1	0.33
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	1	0.33
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	1	0.33
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	1	0.33
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	24	0.33
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	24	0.33
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	24	0.33
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	24	0.33
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	14	0.33
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	21	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	4	0.33
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	12	0.33
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	21	0.33
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	23	0.33
(1,345)	1:30:A:LEU:HD11	1:28:A:GLU:H	7	0.33
(1,345)	1:30:A:LEU:HD12	1:28:A:GLU:H	7	0.33
(1,345)	1:30:A:LEU:HD13	1:28:A:GLU:H	7	0.33
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	13	0.33
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	21	0.33
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	17	0.33
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	10	0.33
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	10	0.33
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	10	0.33
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	4	0.33
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	5	0.33
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	11	0.33
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	11	0.33
(1,108)	1:56:A:GLN:HB2	1:57:A:VAL:H	16	0.33
(1,108)	1:56:A:GLN:HB3	1:57:A:VAL:H	16	0.33
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	13	0.33
(1,1830)	1:71:A:VAL:HG23	1:58:A:LEU:HD13	13	0.32
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG23	4	0.32
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG23	17	0.32
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG21	24	0.32
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD12	7	0.32
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD22	13	0.32
(1,1697)	1:81:A:LEU:HD13	1:76:A:VAL:HG13	1	0.32
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	21	0.32
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	24	0.32
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	13	0.32
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	22	0.32
(1,1591)	1:81:A:LEU:HD22	1:6:A:LYS:HA	4	0.32
(1,1533)	1:68:A:ALA:HB3	1:69:A:GLU:HA	11	0.32
(1,1528)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	22	0.32
(1,1494)	1:66:A:LYS:HD3	1:67:A:SER:H	16	0.32
(1,1485)	1:31:A:MET:HB3	1:30:A:LEU:H	25	0.32
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	22	0.32
(1,1456)	1:62:A:ASP:HB2	1:26:A:SER:H	20	0.32
(1,1444)	1:13:A:ILE:HG23	1:71:A:VAL:H	16	0.32
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	20	0.32
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	20	0.32
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	20	0.32
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	20	0.32
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	20	0.32
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	20	0.32
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	20	0.32
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	20	0.32
(1,1186)	1:22:A:PHE:HE1	1:70:A:GLU:HG2	23	0.32
(1,1186)	1:22:A:PHE:HE2	1:70:A:GLU:HG2	23	0.32
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	17	0.32
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	17	0.32
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	17	0.32
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	17	0.32
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	17	0.32
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	17	0.32
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	12	0.32
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	12	0.32
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	24	0.32
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	24	0.32
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	24	0.32
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	2	0.32
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	3	0.32
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	5	0.32
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	9	0.32
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	12	0.32
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	13	0.32
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	23	0.32
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	24	0.32
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	16	0.32
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	16	0.32
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	23	0.32
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	23	0.32
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	9	0.32
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	9	0.32
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	9	0.32
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	9	0.32
(1,798)	1:75:A:ILE:HD11	1:72:A:ALA:HA	22	0.32
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	15	0.32
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	15	0.32
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	15	0.32
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	9	0.32
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	9	0.32
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	9	0.32
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	1	0.32
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	13	0.32
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	14	0.32
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	1	0.32
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	9	0.32
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	10	0.32
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	19	0.32
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	22	0.32
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	19	0.32
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	8	0.32
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	5	0.32
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	3	0.32
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	6	0.32
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	6	0.32
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	6	0.32
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	18	0.32
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	18	0.32
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	18	0.32
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	9	0.32
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	22	0.32
(1,112)	1:2:A:LYS:HB3	1:3:A:MET:H	21	0.32
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	24	0.32
(1,1838)	1:9:A:ILE:HG22	1:81:A:LEU:HD22	6	0.31
(1,1818)	1:66:A:LYS:HG3	1:65:A:PHE:HD2	10	0.31
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	11	0.31
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	6	0.31
(1,1601)	1:55:A:GLY:H	1:58:A:LEU:HD13	14	0.31
(1,1591)	1:81:A:LEU:HD23	1:6:A:LYS:HA	6	0.31
(1,1533)	1:68:A:ALA:HB3	1:69:A:GLU:HA	25	0.31
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	18	0.31
(1,1485)	1:31:A:MET:HB3	1:30:A:LEU:H	18	0.31
(1,1485)	1:31:A:MET:HB3	1:30:A:LEU:H	22	0.31
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	25	0.31
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	21	0.31
(1,1442)	1:75:A:ILE:HG13	1:71:A:VAL:H	24	0.31
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	25	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	6	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	6	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	6	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	6	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	6	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	6	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	6	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	6	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	10	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	10	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	10	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	10	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	10	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	10	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	10	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	10	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	10	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	22	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	22	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	22	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	22	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	22	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	22	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	22	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	22	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	22	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	25	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	25	0.31
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	25	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	25	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	25	0.31
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	25	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	25	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	25	0.31
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	25	0.31
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	24	0.31
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	24	0.31
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	24	0.31
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	6	0.31
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	15	0.31
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	17	0.31
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	20	0.31
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	25	0.31
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	24	0.31
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	24	0.31
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	24	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	15	0.31
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	15	0.31
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	15	0.31
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA2	21	0.31
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA3	21	0.31
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	4	0.31
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	4	0.31
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	4	0.31
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE2	14	0.31
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	15	0.31
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	15	0.31
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	15	0.31
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	23	0.31
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	23	0.31
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	23	0.31
(1,798)	1:75:A:ILE:HD13	1:72:A:ALA:HA	17	0.31
(1,798)	1:75:A:ILE:HD12	1:72:A:ALA:HA	20	0.31
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	14	0.31
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	14	0.31
(1,597)	1:67:A:SER:HA	1:70:A:GLU:HB3	12	0.31
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	23	0.31
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	23	0.31
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	23	0.31
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	23	0.31
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	13	0.31
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	3	0.31
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	12	0.31
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	16	0.31
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	17	0.31
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	3	0.31
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	5	0.31
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	2	0.31
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	8	0.31
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	6	0.31
(1,207)	1:75:A:ILE:HD11	1:72:A:ALA:H	22	0.31
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	14	0.31
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	14	0.31
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	14	0.31
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	22	0.31
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	22	0.31
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	22	0.31
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	23	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	23	0.31
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	23	0.31
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	13	0.31
(1,1827)	1:27:A:PRO:HG3	1:30:A:LEU:HD13	16	0.3
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	19	0.3
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	21	0.3
(1,1802)	1:65:A:PHE:HZ	1:62:A:ASP:HB2	1	0.3
(1,1800)	1:22:A:PHE:HE2	1:22:A:PHE:HB3	22	0.3
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	4	0.3
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD22	2	0.3
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD22	4	0.3
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG13	18	0.3
(1,1697)	1:81:A:LEU:HD12	1:76:A:VAL:HG13	4	0.3
(1,1697)	1:81:A:LEU:HD13	1:76:A:VAL:HG13	9	0.3
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	19	0.3
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	23	0.3
(1,1647)	1:71:A:VAL:HG13	1:62:A:ASP:HB3	9	0.3
(1,1647)	1:71:A:VAL:HG11	1:62:A:ASP:HB3	11	0.3
(1,1603)	1:46:A:ASP:H	1:43:A:LYS:HB3	18	0.3
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	10	0.3
(1,1485)	1:31:A:MET:HB3	1:30:A:LEU:H	10	0.3
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	3	0.3
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	14	0.3
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	19	0.3
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	13	0.3
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	1	0.3
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	15	0.3
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	15	0.3
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	15	0.3
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	15	0.3
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	15	0.3
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	15	0.3
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	15	0.3
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	15	0.3
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	15	0.3
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD11	18	0.3
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD12	18	0.3
(1,1148)	1:11:A:GLY:H	1:14:A:ILE:HD13	18	0.3
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	8	0.3
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	10	0.3
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	11	0.3
(1,938)	1:12:A:GLN:HG3	1:9:A:ILE:HA	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	5	0.3
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	11	0.3
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	11	0.3
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	11	0.3
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	19	0.3
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	19	0.3
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	19	0.3
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE2	20	0.3
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	11	0.3
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	11	0.3
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	11	0.3
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	17	0.3
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	17	0.3
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	17	0.3
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	21	0.3
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	21	0.3
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	21	0.3
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	9	0.3
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	19	0.3
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	22	0.3
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	25	0.3
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	3	0.3
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	1	0.3
(1,229)	1:71:A:VAL:HG11	1:68:A:ALA:H	9	0.3
(1,229)	1:71:A:VAL:HG12	1:68:A:ALA:H	9	0.3
(1,229)	1:71:A:VAL:HG13	1:68:A:ALA:H	9	0.3
(1,188)	1:36:A:ASN:HA	1:37:A:GLY:H	8	0.3
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	12	0.3
(1,1850)	1:76:A:VAL:HG13	1:75:A:ILE:HG21	25	0.29
(1,1838)	1:9:A:ILE:HG23	1:81:A:LEU:HD23	25	0.29
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD12	17	0.29
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD13	18	0.29
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD11	22	0.29
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG21	21	0.29
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD21	9	0.29
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	14	0.29
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	25	0.29
(1,1444)	1:13:A:ILE:HG21	1:71:A:VAL:H	18	0.29
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	3	0.29
(1,1398)	1:4:A:GLY:H	1:6:A:LYS:H	18	0.29
(1,1398)	1:4:A:GLY:H	1:6:A:LYS:H	22	0.29
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	12	0.29
(1,1392)	1:24:A:ILE:HD12	1:26:A:SER:H	20	0.29
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	17	0.29
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	1	0.29
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	1	0.29
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	1	0.29
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	1	0.29
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	1	0.29
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	1	0.29
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	2	0.29
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	2	0.29
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	2	0.29
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	2	0.29
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	2	0.29
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	2	0.29
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	2	0.29
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	2	0.29
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	2	0.29
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG21	19	0.29
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG22	19	0.29
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG23	19	0.29
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	14	0.29
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	18	0.29
(1,1062)	1:34:A:LEU:HD11	1:31:A:MET:HB2	25	0.29
(1,1062)	1:34:A:LEU:HD12	1:31:A:MET:HB2	25	0.29
(1,1062)	1:34:A:LEU:HD13	1:31:A:MET:HB2	25	0.29
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	20	0.29
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	20	0.29
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	20	0.29
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	10	0.29
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	10	0.29
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	10	0.29
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	11	0.29
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	1	0.29
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	1	0.29
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	1	0.29
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	13	0.29
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	13	0.29
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	13	0.29
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	2	0.29
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	2	0.29
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB2	6	0.29
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB2	6	0.29
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB3	11	0.29
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB3	11	0.29
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE3	16	0.29
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	4	0.29
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	4	0.29
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	4	0.29
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	8	0.29
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	8	0.29
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	8	0.29
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	13	0.29
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	13	0.29
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	13	0.29
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	19	0.29
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	19	0.29
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	19	0.29
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	20	0.29
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	20	0.29
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	20	0.29
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	5	0.29
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	10	0.29
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	12	0.29
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	5	0.29
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	5	0.29
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	5	0.29
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	5	0.29
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	7	0.29
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	17	0.29
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	1	0.29
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	12	0.29
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	14	0.29
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	17	0.29
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	23	0.29
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	24	0.29
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	5	0.29
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	12	0.29
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	4	0.29
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	20	0.29
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	8	0.29
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	21	0.29
(1,112)	1:2:A:LYS:HB3	1:3:A:MET:H	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD22	21	0.28
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	24	0.28
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	10	0.28
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	13	0.28
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	25	0.28
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	17	0.28
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD23	1	0.28
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD22	18	0.28
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	3	0.28
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	11	0.28
(1,1603)	1:46:A:ASP:H	1:43:A:LYS:HB3	9	0.28
(1,1591)	1:81:A:LEU:HD22	1:6:A:LYS:HA	1	0.28
(1,1591)	1:81:A:LEU:HD23	1:6:A:LYS:HA	3	0.28
(1,1591)	1:81:A:LEU:HD22	1:6:A:LYS:HA	5	0.28
(1,1591)	1:81:A:LEU:HD23	1:6:A:LYS:HA	13	0.28
(1,1398)	1:4:A:GLY:H	1:6:A:LYS:H	12	0.28
(1,1393)	1:7:A:GLU:HB2	1:7:A:GLU:H	1	0.28
(1,1393)	1:7:A:GLU:HB2	1:7:A:GLU:H	4	0.28
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	3	0.28
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	3	0.28
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	3	0.28
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	3	0.28
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	3	0.28
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	3	0.28
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	18	0.28
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	18	0.28
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	18	0.28
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	4	0.28
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	4	0.28
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	4	0.28
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	4	0.28
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	4	0.28
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	4	0.28
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	5	0.28
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	5	0.28
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	5	0.28
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	5	0.28
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	5	0.28
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	5	0.28
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	13	0.28
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	6	0.28
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	6	0.28
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	6	0.28
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	6	0.28
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	6	0.28
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	21	0.28
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG2	2	0.28
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG3	2	0.28
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG2	2	0.28
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG3	2	0.28
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG2	2	0.28
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG3	2	0.28
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	18	0.28
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	18	0.28
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	18	0.28
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA2	4	0.28
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA3	4	0.28
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA2	4	0.28
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA3	4	0.28
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA2	4	0.28
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA3	4	0.28
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	5	0.28
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	5	0.28
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	5	0.28
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	7	0.28
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	7	0.28
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	7	0.28
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	10	0.28
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	10	0.28
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	10	0.28
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB2	12	0.28
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB2	12	0.28
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB2	12	0.28
(1,864)	1:30:A:LEU:HD21	1:62:A:ASP:HB3	22	0.28
(1,864)	1:30:A:LEU:HD22	1:62:A:ASP:HB3	22	0.28
(1,864)	1:30:A:LEU:HD23	1:62:A:ASP:HB3	22	0.28
(1,853)	1:71:A:VAL:HG21	1:62:A:ASP:HA	9	0.28
(1,853)	1:71:A:VAL:HG22	1:62:A:ASP:HA	9	0.28
(1,853)	1:71:A:VAL:HG23	1:62:A:ASP:HA	9	0.28
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	1	0.28
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	1	0.28
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	1	0.28
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	5	0.28
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	5	0.28
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	10	0.28
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	10	0.28
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	10	0.28
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	12	0.28
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	12	0.28
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	12	0.28
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	22	0.28
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	22	0.28
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	22	0.28
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	25	0.28
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	25	0.28
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	25	0.28
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	7	0.28
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	7	0.28
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	7	0.28
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	7	0.28
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	7	0.28
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	9	0.28
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	15	0.28
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	19	0.28
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	4	0.28
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	11	0.28
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	14	0.28
(1,352)	1:37:A:GLY:HA2	1:33:A:ALA:H	16	0.28
(1,352)	1:37:A:GLY:HA3	1:33:A:ALA:H	16	0.28
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	24	0.28
(1,278)	1:66:A:LYS:HG3	1:66:A:LYS:H	14	0.28
(1,207)	1:75:A:ILE:HD12	1:72:A:ALA:H	19	0.28
(1,207)	1:75:A:ILE:HD12	1:72:A:ALA:H	20	0.28
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	17	0.28
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	17	0.28
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	17	0.28
(1,112)	1:2:A:LYS:HB3	1:3:A:MET:H	25	0.28
(1,1838)	1:9:A:ILE:HG22	1:81:A:LEU:HD23	12	0.27
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	6	0.27
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	25	0.27
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD21	11	0.27
(1,1702)	1:58:A:LEU:HD23	1:58:A:LEU:HB3	13	0.27
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	17	0.27
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	9	0.27
(1,1538)	1:58:A:LEU:HG	1:51:A:ALA:HB2	5	0.27
(1,1533)	1:68:A:ALA:HB2	1:69:A:GLU:HA	9	0.27
(1,1531)	1:23:A:PRO:HG2	1:65:A:PHE:HB3	13	0.27
(1,1528)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	9	0.27
(1,1509)	1:57:A:VAL:HG23	1:79:A:ALA:HB1	5	0.27
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	20	0.27
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	6	0.27
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	5	0.27
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	10	0.27
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	24	0.27
(1,1367)	1:14:A:ILE:HD13	1:13:A:ILE:H	11	0.27
(1,1367)	1:14:A:ILE:HD13	1:13:A:ILE:H	25	0.27
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	22	0.27
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	22	0.27
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	22	0.27
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	22	0.27
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	22	0.27
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	22	0.27
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	9	0.27
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	9	0.27
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	9	0.27
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	9	0.27
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	9	0.27
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	9	0.27
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG21	7	0.27
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG22	7	0.27
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG23	7	0.27
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	13	0.27
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	13	0.27
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	13	0.27
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	13	0.27
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	13	0.27
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	13	0.27
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	8	0.27
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	8	0.27
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	22	0.27
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	3	0.27
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	3	0.27
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	3	0.27
(1,946)	1:57:A:VAL:HG11	1:56:A:GLN:HG3	3	0.27
(1,946)	1:57:A:VAL:HG12	1:56:A:GLN:HG3	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:57:A:VAL:HG13	1:56:A:GLN:HG3	3	0.27
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA2	14	0.27
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA3	14	0.27
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA2	14	0.27
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA3	14	0.27
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA2	14	0.27
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA3	14	0.27
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	16	0.27
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	16	0.27
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	16	0.27
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB3	10	0.27
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB3	10	0.27
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	2	0.27
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	2	0.27
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	2	0.27
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	7	0.27
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	7	0.27
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	7	0.27
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	16	0.27
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	16	0.27
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	16	0.27
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	24	0.27
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	24	0.27
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	24	0.27
(1,798)	1:75:A:ILE:HD12	1:72:A:ALA:HA	2	0.27
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	10	0.27
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	10	0.27
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	15	0.27
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	15	0.27
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	15	0.27
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	15	0.27
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	18	0.27
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	18	0.27
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	18	0.27
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	18	0.27
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	1	0.27
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	5	0.27
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	8	0.27
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	19	0.27
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	23	0.27
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	4	0.27
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	20	0.27
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	9	0.27
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	10	0.27
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	15	0.27
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	11	0.27
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	17	0.27
(1,352)	1:37:A:GLY:HA2	1:33:A:ALA:H	3	0.27
(1,352)	1:37:A:GLY:HA3	1:33:A:ALA:H	3	0.27
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	17	0.27
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	9	0.27
(1,229)	1:71:A:VAL:HG11	1:68:A:ALA:H	13	0.27
(1,229)	1:71:A:VAL:HG12	1:68:A:ALA:H	13	0.27
(1,229)	1:71:A:VAL:HG13	1:68:A:ALA:H	13	0.27
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	6	0.27
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	23	0.27
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	23	0.27
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	23	0.27
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	20	0.27
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	20	0.27
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	20	0.27
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	9	0.27
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	9	0.27
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	9	0.27
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	2	0.27
(1,1840)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	18	0.26
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD13	1	0.26
(1,1830)	1:71:A:VAL:HG22	1:58:A:LEU:HD11	12	0.26
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	25	0.26
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD12	24	0.26
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG23	7	0.26
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG23	8	0.26
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG21	15	0.26
(1,1752)	1:34:A:LEU:HD12	1:31:A:MET:HE2	6	0.26
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD23	3	0.26
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD23	12	0.26
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	11	0.26
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	24	0.26
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB3	11	0.26
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB2	17	0.26
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	4	0.26
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	25	0.26
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	9	0.26
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	11	0.26
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	3	0.26
(1,932)	1:77:A:ASN:HB2	1:75:A:ILE:HA	15	0.26
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	19	0.26
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE2	8	0.26
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	6	0.26
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	6	0.26
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	6	0.26
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	9	0.26
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	9	0.26
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	9	0.26
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	6	0.26
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	6	0.26
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	6	0.26
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	3	0.26
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	3	0.26
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	3	0.26
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	3	0.26
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	10	0.26
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	10	0.26
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	10	0.26
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	10	0.26
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	12	0.26
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	12	0.26
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	12	0.26
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	12	0.26
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	4	0.26
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	11	0.26
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	22	0.26
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	10	0.26
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	1	0.26
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	3	0.26
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	7	0.26
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	8	0.26
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	12	0.26
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	3	0.26
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	2	0.26
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	13	0.26
(1,233)	1:55:A:GLY:HA2	1:59:A:THR:H	16	0.26
(1,233)	1:55:A:GLY:HA3	1:59:A:THR:H	16	0.26
(1,229)	1:71:A:VAL:HG11	1:68:A:ALA:H	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:71:A:VAL:HG12	1:68:A:ALA:H	2	0.26
(1,229)	1:71:A:VAL:HG13	1:68:A:ALA:H	2	0.26
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	18	0.26
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	1	0.26
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	1	0.26
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	1	0.26
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	2	0.26
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	2	0.26
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	2	0.26
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	24	0.26
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	24	0.26
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	24	0.26
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	9	0.26
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	9	0.26
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	9	0.26
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	24	0.26
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	24	0.26
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	24	0.26
(1,200)	1:16:A:ALA:HB1	1:37:A:GLY:H	21	0.26
(1,200)	1:16:A:ALA:HB2	1:37:A:GLY:H	21	0.26
(1,200)	1:16:A:ALA:HB3	1:37:A:GLY:H	21	0.26
(1,118)	1:7:A:GLU:HB2	1:8:A:ASP:H	14	0.26
(1,112)	1:2:A:LYS:HB3	1:3:A:MET:H	14	0.26
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	7	0.26
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG23	9	0.25
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG23	22	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	1	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	2	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	5	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	6	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	8	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	9	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	10	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	11	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	12	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	13	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	14	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	15	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	16	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	17	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	18	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	21	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	22	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	24	0.25
(1,1743)	1:17:A:LEU:HB2	1:17:A:LEU:HB3	25	0.25
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD13	21	0.25
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	19	0.25
(1,1603)	1:46:A:ASP:H	1:43:A:LYS:HB3	17	0.25
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	6	0.25
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	11	0.25
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	12	0.25
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	8	0.25
(1,1590)	1:76:A:VAL:HG13	1:6:A:LYS:HA	9	0.25
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB1	21	0.25
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	6	0.25
(1,1485)	1:31:A:MET:HB3	1:30:A:LEU:H	16	0.25
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	9	0.25
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	19	0.25
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	9	0.25
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	19	0.25
(1,1444)	1:13:A:ILE:HG22	1:71:A:VAL:H	8	0.25
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	2	0.25
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	5	0.25
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	10	0.25
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	11	0.25
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	2	0.25
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	19	0.25
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	18	0.25
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	19	0.25
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	14	0.25
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	14	0.25
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	14	0.25
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	14	0.25
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	14	0.25
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	14	0.25
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	19	0.25
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	19	0.25
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	19	0.25
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	19	0.25
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	19	0.25
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	19	0.25
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	21	0.25
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	21	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	21	0.25
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	21	0.25
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	21	0.25
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	21	0.25
(1,1309)	1:34:A:LEU:HD11	1:31:A:MET:HE2	9	0.25
(1,1309)	1:34:A:LEU:HD12	1:31:A:MET:HE2	9	0.25
(1,1309)	1:34:A:LEU:HD13	1:31:A:MET:HE2	9	0.25
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG21	3	0.25
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG22	3	0.25
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG23	3	0.25
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG21	4	0.25
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG22	4	0.25
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG23	4	0.25
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	4	0.25
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	12	0.25
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	12	0.25
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	12	0.25
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	8	0.25
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	8	0.25
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	8	0.25
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	4	0.25
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	13	0.25
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	1	0.25
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	16	0.25
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	9	0.25
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	9	0.25
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	9	0.25
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE3	19	0.25
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	14	0.25
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	14	0.25
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	14	0.25
(1,740)	1:57:A:VAL:HG11	1:54:A:ALA:HA	3	0.25
(1,740)	1:57:A:VAL:HG12	1:54:A:ALA:HA	3	0.25
(1,740)	1:57:A:VAL:HG13	1:54:A:ALA:HA	3	0.25
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB3	13	0.25
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	1	0.25
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	16	0.25
(1,597)	1:67:A:SER:HA	1:70:A:GLU:HB3	17	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	1	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	2	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	3	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	5	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	6	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	7	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	8	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	9	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	10	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	11	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	12	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	13	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	14	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	15	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	16	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	17	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	18	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	19	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	20	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	21	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	22	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	23	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	24	0.25
(1,524)	1:17:A:LEU:HB3	1:17:A:LEU:HB2	25	0.25
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	21	0.25
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	21	0.25
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	21	0.25
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	21	0.25
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	25	0.25
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	25	0.25
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	25	0.25
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	25	0.25
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	11	0.25
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	10	0.25
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	12	0.25
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	13	0.25
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	16	0.25
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	5	0.25
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	21	0.25
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	23	0.25
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	12	0.25
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	8	0.25
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	18	0.25
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	6	0.25
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	21	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	11	0.25
(1,207)	1:75:A:ILE:HD12	1:72:A:ALA:H	25	0.25
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	6	0.25
(1,4)	1:50:A:LYS:HE2	1:50:A:LYS:H	25	0.25
(1,1840)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	19	0.24
(1,1839)	1:9:A:ILE:HG21	1:81:A:LEU:HD11	20	0.24
(1,1830)	1:71:A:VAL:HG23	1:58:A:LEU:HD11	5	0.24
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG21	14	0.24
(1,1736)	1:75:A:ILE:HD13	1:58:A:LEU:HD11	9	0.24
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	4	0.24
(1,1647)	1:71:A:VAL:HG12	1:62:A:ASP:HB3	25	0.24
(1,1603)	1:41:A:THR:H	1:43:A:LYS:HB3	16	0.24
(1,1590)	1:5:A:VAL:HG13	1:6:A:LYS:HA	14	0.24
(1,1538)	1:58:A:LEU:HG	1:51:A:ALA:HB1	2	0.24
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	8	0.24
(1,1533)	1:68:A:ALA:HB3	1:69:A:GLU:HA	10	0.24
(1,1528)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	10	0.24
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	21	0.24
(1,1464)	1:44:A:SER:HB3	1:12:A:GLN:HE22	9	0.24
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	13	0.24
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	22	0.24
(1,1393)	1:7:A:GLU:HB2	1:7:A:GLU:H	7	0.24
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	10	0.24
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	10	0.24
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	10	0.24
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	10	0.24
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	10	0.24
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	10	0.24
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	11	0.24
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	11	0.24
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	11	0.24
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	11	0.24
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	11	0.24
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	11	0.24
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	2	0.24
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	2	0.24
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	2	0.24
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	2	0.24
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	2	0.24
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	2	0.24
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	12	0.24
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	12	0.24
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	12	0.24
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	12	0.24
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	12	0.24
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	23	0.24
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	23	0.24
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	23	0.24
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	23	0.24
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	23	0.24
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	23	0.24
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	23	0.24
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	23	0.24
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	23	0.24
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	10	0.24
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	10	0.24
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	10	0.24
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	10	0.24
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	10	0.24
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	10	0.24
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG2	3	0.24
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG3	3	0.24
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG2	3	0.24
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG3	3	0.24
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG2	3	0.24
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG3	3	0.24
(1,1014)	1:54:A:ALA:HB1	1:57:A:VAL:HG21	19	0.24
(1,1014)	1:54:A:ALA:HB1	1:57:A:VAL:HG22	19	0.24
(1,1014)	1:54:A:ALA:HB1	1:57:A:VAL:HG23	19	0.24
(1,1014)	1:54:A:ALA:HB2	1:57:A:VAL:HG21	19	0.24
(1,1014)	1:54:A:ALA:HB2	1:57:A:VAL:HG22	19	0.24
(1,1014)	1:54:A:ALA:HB2	1:57:A:VAL:HG23	19	0.24
(1,1014)	1:54:A:ALA:HB3	1:57:A:VAL:HG21	19	0.24
(1,1014)	1:54:A:ALA:HB3	1:57:A:VAL:HG22	19	0.24
(1,1014)	1:54:A:ALA:HB3	1:57:A:VAL:HG23	19	0.24
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	8	0.24
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	8	0.24
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	8	0.24
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG3	9	0.24
(1,946)	1:57:A:VAL:HG11	1:56:A:GLN:HG3	23	0.24
(1,946)	1:57:A:VAL:HG12	1:56:A:GLN:HG3	23	0.24
(1,946)	1:57:A:VAL:HG13	1:56:A:GLN:HG3	23	0.24
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	8	0.24
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	13	0.24
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	18	0.24
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	21	0.24
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	25	0.24
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	3	0.24
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	3	0.24
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	3	0.24
(1,885)	1:5:A:VAL:HG11	1:7:A:GLU:HB3	6	0.24
(1,885)	1:5:A:VAL:HG12	1:7:A:GLU:HB3	6	0.24
(1,885)	1:5:A:VAL:HG13	1:7:A:GLU:HB3	6	0.24
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	3	0.24
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	3	0.24
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	3	0.24
(1,815)	1:9:A:ILE:H	1:12:A:GLN:HG3	25	0.24
(1,805)	1:5:A:VAL:HG21	1:6:A:LYS:HA	3	0.24
(1,805)	1:5:A:VAL:HG22	1:6:A:LYS:HA	3	0.24
(1,805)	1:5:A:VAL:HG23	1:6:A:LYS:HA	3	0.24
(1,740)	1:57:A:VAL:HG21	1:54:A:ALA:HA	9	0.24
(1,740)	1:57:A:VAL:HG22	1:54:A:ALA:HA	9	0.24
(1,740)	1:57:A:VAL:HG23	1:54:A:ALA:HA	9	0.24
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	14	0.24
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	19	0.24
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	8	0.24
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	8	0.24
(1,597)	1:67:A:SER:HA	1:70:A:GLU:HB3	5	0.24
(1,497)	1:73:A:ASP:HA	1:78:A:LYS:H	10	0.24
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	2	0.24
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	14	0.24
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	15	0.24
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	18	0.24
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	20	0.24
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	25	0.24
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	18	0.24
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	13	0.24
(1,293)	1:6:A:LYS:HG3	1:4:A:GLY:H	10	0.24
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	19	0.24
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	7	0.24
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	2	0.24
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	8	0.24
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	2	0.24
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	2	0.24
(1,4)	1:50:A:LYS:HE3	1:50:A:LYS:H	14	0.24
(1,4)	1:50:A:LYS:HE3	1:50:A:LYS:H	15	0.24
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	17	0.23
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	1	0.23
(1,1743)	1:24:A:ILE:HG21	1:17:A:LEU:HB3	3	0.23
(1,1736)	1:75:A:ILE:HD12	1:58:A:LEU:HD12	11	0.23
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG11	19	0.23
(1,1677)	1:66:A:LYS:HD3	1:70:A:GLU:HG2	2	0.23
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	16	0.23
(1,1576)	1:8:A:ASP:HB3	1:44:A:SER:HB2	16	0.23
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	2	0.23
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB3	14	0.23
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	22	0.23
(1,1528)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	6	0.23
(1,1502)	1:15:A:GLY:HA2	1:18:A:ALA:HB3	17	0.23
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	12	0.23
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	2	0.23
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	2	0.23
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	22	0.23
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	25	0.23
(1,1367)	1:14:A:ILE:HD12	1:13:A:ILE:H	9	0.23
(1,1309)	1:34:A:LEU:HD11	1:31:A:MET:HE2	13	0.23
(1,1309)	1:34:A:LEU:HD12	1:31:A:MET:HE2	13	0.23
(1,1309)	1:34:A:LEU:HD13	1:31:A:MET:HE2	13	0.23
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	1	0.23
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	1	0.23
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	1	0.23
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	1	0.23
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	1	0.23
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	1	0.23
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	1	0.23
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	1	0.23
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	1	0.23
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	23	0.23
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	23	0.23
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	11	0.23
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	11	0.23
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	11	0.23
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	21	0.23
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	21	0.23
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	21	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	13	0.23
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	19	0.23
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	3	0.23
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	3	0.23
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	22	0.23
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	22	0.23
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	1	0.23
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	2	0.23
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	5	0.23
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	7	0.23
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	9	0.23
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	15	0.23
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	22	0.23
(1,848)	1:63:A:PHE:HE1	1:60:A:ALA:HB2	13	0.23
(1,848)	1:63:A:PHE:HE2	1:60:A:ALA:HB2	13	0.23
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE3	18	0.23
(1,798)	1:75:A:ILE:HD13	1:72:A:ALA:HA	1	0.23
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	3	0.23
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	15	0.23
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	17	0.23
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	6	0.23
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	6	0.23
(1,533)	1:27:A:PRO:HG2	1:31:A:MET:HE2	10	0.23
(1,533)	1:27:A:PRO:HG3	1:31:A:MET:HE2	10	0.23
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	7	0.23
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	17	0.23
(1,469)	1:58:A:LEU:HD21	1:55:A:GLY:H	20	0.23
(1,469)	1:58:A:LEU:HD22	1:55:A:GLY:H	20	0.23
(1,469)	1:58:A:LEU:HD23	1:55:A:GLY:H	20	0.23
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	16	0.23
(1,406)	1:66:A:LYS:HB3	1:66:A:LYS:H	18	0.23
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	4	0.23
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	22	0.23
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	7	0.23
(1,379)	1:36:A:ASN:HA	1:36:A:ASN:HD22	10	0.23
(1,207)	1:75:A:ILE:HD12	1:72:A:ALA:H	10	0.23
(1,180)	1:10:A:ARG:HD2	1:7:A:GLU:H	14	0.23
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	15	0.23
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	5	0.23
(1,114)	1:59:A:THR:HG21	1:57:A:VAL:H	18	0.23
(1,114)	1:59:A:THR:HG22	1:57:A:VAL:H	18	0.23
(1,114)	1:59:A:THR:HG23	1:57:A:VAL:H	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:50:A:LYS:HE3	1:50:A:LYS:H	19	0.23
(1,1840)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	22	0.22
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD21	19	0.22
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD23	20	0.22
(1,1830)	1:71:A:VAL:HG21	1:58:A:LEU:HD13	9	0.22
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	20	0.22
(1,1788)	1:6:A:LYS:H	1:9:A:ILE:HD11	16	0.22
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD12	15	0.22
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	22	0.22
(1,1752)	1:34:A:LEU:HD11	1:31:A:MET:HE2	11	0.22
(1,1743)	1:24:A:ILE:HG23	1:17:A:LEU:HB3	7	0.22
(1,1743)	1:24:A:ILE:HG23	1:17:A:LEU:HB3	23	0.22
(1,1697)	1:81:A:LEU:HD22	1:5:A:VAL:HG13	5	0.22
(1,1647)	1:71:A:VAL:HG13	1:62:A:ASP:HB3	6	0.22
(1,1528)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	16	0.22
(1,1472)	1:48:A:GLU:HB3	1:49:A:LEU:H	6	0.22
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	13	0.22
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	13	0.22
(1,1444)	1:13:A:ILE:HG23	1:71:A:VAL:H	4	0.22
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	15	0.22
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	16	0.22
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	23	0.22
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	18	0.22
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	18	0.22
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	18	0.22
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	18	0.22
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	18	0.22
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	18	0.22
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	23	0.22
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	23	0.22
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	23	0.22
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	23	0.22
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	23	0.22
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	23	0.22
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	25	0.22
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	25	0.22
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	25	0.22
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	25	0.22
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	25	0.22
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	25	0.22
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	13	0.22
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	13	0.22
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	13	0.22
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	13	0.22
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	13	0.22
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	13	0.22
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	13	0.22
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	13	0.22
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	18	0.22
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	18	0.22
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	18	0.22
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	18	0.22
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	18	0.22
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	18	0.22
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	18	0.22
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	18	0.22
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	18	0.22
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	11	0.22
(1,1072)	1:30:A:LEU:H	1:27:A:PRO:HA	16	0.22
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	6	0.22
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	6	0.22
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	6	0.22
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	9	0.22
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	9	0.22
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	9	0.22
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	7	0.22
(1,938)	1:12:A:GLN:HG3	1:9:A:ILE:HA	17	0.22
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA2	14	0.22
(1,937)	1:6:A:LYS:HG2	1:4:A:GLY:HA3	14	0.22
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	23	0.22
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	3	0.22
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	11	0.22
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	12	0.22
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	14	0.22
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	17	0.22
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG2	20	0.22
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	23	0.22
(1,928)	1:66:A:LYS:HB2	1:66:A:LYS:HG3	24	0.22
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA2	11	0.22
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA3	11	0.22
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA2	11	0.22
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA3	11	0.22
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA2	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA3	11	0.22
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	19	0.22
(1,533)	1:27:A:PRO:HG2	1:31:A:MET:HE2	18	0.22
(1,533)	1:27:A:PRO:HG3	1:31:A:MET:HE2	18	0.22
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	11	0.22
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	11	0.22
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	11	0.22
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	11	0.22
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	24	0.22
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	9	0.22
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	11	0.22
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	14	0.22
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	24	0.22
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	2	0.22
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	9	0.22
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	20	0.22
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	1	0.22
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	24	0.22
(1,389)	1:50:A:LYS:H	1:49:A:LEU:H	15	0.22
(1,297)	1:67:A:SER:HA	1:70:A:GLU:H	18	0.22
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	18	0.22
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	11	0.22
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	11	0.22
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	11	0.22
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	6	0.22
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	9	0.22
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	11	0.22
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	12	0.22
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	11	0.22
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	9	0.22
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	25	0.22
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	25	0.22
(1,112)	1:2:A:LYS:HB3	1:3:A:MET:H	19	0.22
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	10	0.22
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	10	0.22
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	10	0.22
(1,25)	1:9:A:ILE:HD11	1:46:A:ASP:H	13	0.22
(1,25)	1:9:A:ILE:HD12	1:46:A:ASP:H	13	0.22
(1,25)	1:9:A:ILE:HD13	1:46:A:ASP:H	13	0.22
(1,1850)	1:76:A:VAL:HG12	1:75:A:ILE:HG21	13	0.21
(1,1850)	1:76:A:VAL:HG12	1:75:A:ILE:HG21	20	0.21
(1,1839)	1:9:A:ILE:HG21	1:81:A:LEU:HD11	22	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:75:A:ILE:HG22	1:49:A:LEU:HD11	22	0.21
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	4	0.21
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	12	0.21
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD22	6	0.21
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD21	23	0.21
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG12	25	0.21
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	16	0.21
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	24	0.21
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	19	0.21
(1,1590)	1:76:A:VAL:HG12	1:6:A:LYS:HA	5	0.21
(1,1539)	1:49:A:LEU:HD13	1:79:A:ALA:HB2	15	0.21
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB1	15	0.21
(1,1533)	1:68:A:ALA:HB2	1:69:A:GLU:HA	13	0.21
(1,1510)	1:49:A:LEU:HD13	1:79:A:ALA:HB1	25	0.21
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	1	0.21
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	8	0.21
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	11	0.21
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	8	0.21
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	11	0.21
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	15	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	5	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	5	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	5	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	5	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	5	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	5	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	12	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	12	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	12	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	12	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	12	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	12	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	15	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	15	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	15	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	15	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	15	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	15	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	17	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	17	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	17	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	17	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	17	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	24	0.21
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	24	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	24	0.21
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	24	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	24	0.21
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	24	0.21
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	20	0.21
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	20	0.21
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	20	0.21
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	11	0.21
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	21	0.21
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	2	0.21
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	2	0.21
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	2	0.21
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	7	0.21
(1,798)	1:75:A:ILE:HD13	1:72:A:ALA:HA	3	0.21
(1,798)	1:75:A:ILE:HD12	1:72:A:ALA:HA	25	0.21
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	20	0.21
(1,617)	1:65:A:PHE:HE1	1:62:A:ASP:HA	2	0.21
(1,617)	1:65:A:PHE:HE2	1:62:A:ASP:HA	2	0.21
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	25	0.21
(1,469)	1:58:A:LEU:HD21	1:55:A:GLY:H	14	0.21
(1,469)	1:58:A:LEU:HD22	1:55:A:GLY:H	14	0.21
(1,469)	1:58:A:LEU:HD23	1:55:A:GLY:H	14	0.21
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	20	0.21
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	5	0.21
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	8	0.21
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	15	0.21
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	17	0.21
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	21	0.21
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	22	0.21
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	23	0.21
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	25	0.21
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	9	0.21
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	11	0.21
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	15	0.21
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	15	0.21
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	15	0.21
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	1	0.21
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	1	0.21
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	7	0.21
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	7	0.21
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	7	0.21
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	20	0.21
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	20	0.21
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	20	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	1	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	5	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	10	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	13	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	14	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	18	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	19	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	21	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	23	0.21
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	25	0.21
(1,1844)	1:49:A:LEU:HG	1:79:A:ALA:HB3	20	0.2
(1,1838)	1:9:A:ILE:HG21	1:81:A:LEU:HD22	22	0.2
(1,1835)	1:75:A:ILE:HG21	1:49:A:LEU:HD13	25	0.2
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	5	0.2
(1,1743)	1:24:A:ILE:HG22	1:17:A:LEU:HB3	19	0.2
(1,1735)	1:68:A:ALA:HA	1:30:A:LEU:HD11	20	0.2
(1,1729)	1:16:A:ALA:HB2	1:34:A:LEU:HD23	23	0.2
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD22	15	0.2
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG12	17	0.2
(1,1621)	1:13:A:ILE:HD11	1:76:A:VAL:HG12	7	0.2
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	7	0.2
(1,1591)	1:81:A:LEU:HD21	1:6:A:LYS:HA	10	0.2
(1,1533)	1:68:A:ALA:HB3	1:69:A:GLU:HA	2	0.2
(1,1533)	1:68:A:ALA:HB2	1:69:A:GLU:HA	16	0.2
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	17	0.2
(1,1533)	1:68:A:ALA:HB2	1:69:A:GLU:HA	21	0.2
(1,1528)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	2	0.2
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	1	0.2
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	5	0.2
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	10	0.2
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	21	0.2
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	25	0.2
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	1	0.2
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	5	0.2
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	21	0.2
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	25	0.2
(1,1444)	1:13:A:ILE:HG23	1:71:A:VAL:H	9	0.2
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	17	0.2
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	25	0.2
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	17	0.2
(1,1367)	1:14:A:ILE:HD13	1:13:A:ILE:H	1	0.2
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	8	0.2
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	8	0.2
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	8	0.2
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	8	0.2
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	8	0.2
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	8	0.2
(1,1309)	1:34:A:LEU:HD11	1:31:A:MET:HE2	4	0.2
(1,1309)	1:34:A:LEU:HD12	1:31:A:MET:HE2	4	0.2
(1,1309)	1:34:A:LEU:HD13	1:31:A:MET:HE2	4	0.2
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	6	0.2
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	6	0.2
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	6	0.2
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	6	0.2
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	6	0.2
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	6	0.2
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	7	0.2
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	7	0.2
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	7	0.2
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	7	0.2
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	7	0.2
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	7	0.2
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	15	0.2
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	15	0.2
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	15	0.2
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	15	0.2
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	15	0.2
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	15	0.2
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG21	8	0.2
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG22	8	0.2
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG23	8	0.2
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	18	0.2
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	18	0.2
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	18	0.2
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	18	0.2
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	18	0.2
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	12	0.2
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	12	0.2
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	12	0.2
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	12	0.2
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	12	0.2
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	12	0.2
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	4	0.2
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	4	0.2
(1,1062)	1:34:A:LEU:HD11	1:31:A:MET:HB2	20	0.2
(1,1062)	1:34:A:LEU:HD12	1:31:A:MET:HB2	20	0.2
(1,1062)	1:34:A:LEU:HD13	1:31:A:MET:HB2	20	0.2
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	17	0.2
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	17	0.2
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	17	0.2
(1,997)	1:13:A:ILE:HD11	1:10:A:ARG:HA	24	0.2
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	17	0.2
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	17	0.2
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	17	0.2
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	5	0.2
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE2	1	0.2
(1,798)	1:75:A:ILE:HD13	1:72:A:ALA:HA	7	0.2
(1,798)	1:75:A:ILE:HD13	1:72:A:ALA:HA	14	0.2
(1,798)	1:75:A:ILE:HD13	1:72:A:ALA:HA	21	0.2
(1,754)	1:64:A:PRO:HD2	1:61:A:ASP:HA	1	0.2
(1,714)	1:7:A:GLU:H	1:7:A:GLU:HB2	14	0.2
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	18	0.2
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	21	0.2
(1,617)	1:65:A:PHE:HE1	1:62:A:ASP:HA	9	0.2
(1,617)	1:65:A:PHE:HE2	1:62:A:ASP:HA	9	0.2
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	14	0.2
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	14	0.2
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	14	0.2
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	14	0.2
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	6	0.2
(1,492)	1:76:A:VAL:H	1:75:A:ILE:H	21	0.2
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	1	0.2
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	3	0.2
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	6	0.2
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	10	0.2
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	12	0.2
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	14	0.2
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	18	0.2
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	13	0.2
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	17	0.2
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	1	0.2
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	10	0.2
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	10	0.2
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	10	0.2
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	5	0.2
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	5	0.2
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	5	0.2
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	3	0.2
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	16	0.2
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	16	0.2
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	2	0.19
(1,1838)	1:9:A:ILE:HG22	1:81:A:LEU:HD23	15	0.19
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG21	2	0.19
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	11	0.19
(1,1729)	1:16:A:ALA:HB2	1:34:A:LEU:HD21	14	0.19
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD23	5	0.19
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	24	0.19
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	12	0.19
(1,1626)	1:31:A:MET:HG2	1:37:A:GLY:HA2	15	0.19
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	5	0.19
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	22	0.19
(1,1538)	1:13:A:ILE:HG12	1:51:A:ALA:HB3	18	0.19
(1,1518)	1:6:A:LYS:HA	1:5:A:VAL:HG13	13	0.19
(1,1518)	1:6:A:LYS:HA	1:5:A:VAL:HG13	19	0.19
(1,1509)	1:57:A:VAL:HG21	1:79:A:ALA:HB1	16	0.19
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	6	0.19
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	12	0.19
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	6	0.19
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	12	0.19
(1,1444)	1:13:A:ILE:HG23	1:71:A:VAL:H	19	0.19
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	7	0.19
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	21	0.19
(1,1355)	1:48:A:GLU:HG3	1:46:A:ASP:H	9	0.19
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	13	0.19
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	1	0.19
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	1	0.19
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	1	0.19
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	1	0.19
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	1	0.19
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	14	0.19
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	14	0.19
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	14	0.19
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	16	0.19
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	16	0.19
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	16	0.19
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	16	0.19
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	16	0.19
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	16	0.19
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	23	0.19
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	23	0.19
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	23	0.19
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	23	0.19
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	23	0.19
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	23	0.19
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	4	0.19
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	4	0.19
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	4	0.19
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	4	0.19
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	4	0.19
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	4	0.19
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	4	0.19
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	4	0.19
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	4	0.19
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	10	0.19
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	10	0.19
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	10	0.19
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	10	0.19
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	10	0.19
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	10	0.19
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	11	0.19
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	11	0.19
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	11	0.19
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	11	0.19
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	11	0.19
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	11	0.19
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	1	0.19
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	12	0.19
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	21	0.19
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	1	0.19
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	1	0.19
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	1	0.19
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	1	0.19
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	1	0.19
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	7	0.19
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	7	0.19
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	7	0.19
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	7	0.19
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	7	0.19
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	7	0.19
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	24	0.19
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	24	0.19
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	24	0.19
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	24	0.19
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	24	0.19
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	24	0.19
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	25	0.19
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	25	0.19
(1,1062)	1:34:A:LEU:HD11	1:31:A:MET:HB2	21	0.19
(1,1062)	1:34:A:LEU:HD12	1:31:A:MET:HB2	21	0.19
(1,1062)	1:34:A:LEU:HD13	1:31:A:MET:HB2	21	0.19
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	16	0.19
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	16	0.19
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	16	0.19
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	2	0.19
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	2	0.19
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	2	0.19
(1,938)	1:12:A:GLN:HG3	1:9:A:ILE:HA	7	0.19
(1,861)	1:24:A:ILE:HG21	1:62:A:ASP:HB3	2	0.19
(1,861)	1:24:A:ILE:HG22	1:62:A:ASP:HB3	2	0.19
(1,861)	1:24:A:ILE:HG23	1:62:A:ASP:HB3	2	0.19
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	4	0.19
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	2	0.19
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	7	0.19
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	22	0.19
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	4	0.19
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	7	0.19
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	19	0.19
(1,433)	1:7:A:GLU:HB3	1:8:A:ASP:H	7	0.19
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	9	0.19
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	21	0.19
(1,379)	1:36:A:ASN:HA	1:36:A:ASN:HD22	11	0.19
(1,379)	1:36:A:ASN:HA	1:36:A:ASN:HD22	18	0.19
(1,379)	1:36:A:ASN:HA	1:36:A:ASN:HD22	21	0.19
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	18	0.19
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	22	0.19
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	17	0.19
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	17	0.19
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	17	0.19
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	16	0.19
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	17	0.19
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	20	0.19
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	22	0.19
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	24	0.19
(1,174)	1:71:A:VAL:HG21	1:75:A:ILE:H	24	0.19
(1,174)	1:71:A:VAL:HG22	1:75:A:ILE:H	24	0.19
(1,174)	1:71:A:VAL:HG23	1:75:A:ILE:H	24	0.19
(1,4)	1:50:A:LYS:HE3	1:50:A:LYS:H	8	0.19
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	9	0.18
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	13	0.18
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	11	0.18
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	17	0.18
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD23	20	0.18
(1,1703)	1:55:A:GLY:H	1:58:A:LEU:HD22	5	0.18
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	8	0.18
(1,1621)	1:13:A:ILE:HD13	1:76:A:VAL:HG11	8	0.18
(1,1621)	1:13:A:ILE:HD11	1:76:A:VAL:HG12	12	0.18
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	5	0.18
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	18	0.18
(1,1603)	1:46:A:ASP:H	1:43:A:LYS:HB3	1	0.18
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	3	0.18
(1,1550)	1:22:A:PHE:HD1	1:22:A:PHE:HB2	21	0.18
(1,1533)	1:68:A:ALA:HB2	1:69:A:GLU:HA	20	0.18
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	8	0.18
(1,1528)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	21	0.18
(1,1518)	1:6:A:LYS:HA	1:5:A:VAL:HG12	22	0.18
(1,1518)	1:6:A:LYS:HA	1:5:A:VAL:HG13	25	0.18
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	12	0.18
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	4	0.18
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	7	0.18
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	14	0.18
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	4	0.18
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	7	0.18
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	14	0.18
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	15	0.18
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	9	0.18
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	8	0.18
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	10	0.18
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	4	0.18
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	4	0.18
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	4	0.18
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	4	0.18
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	4	0.18
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	4	0.18
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	6	0.18
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	6	0.18
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	6	0.18
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	6	0.18
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	6	0.18
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	6	0.18
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	7	0.18
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	7	0.18
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	7	0.18
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	7	0.18
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	7	0.18
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	7	0.18
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	9	0.18
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	9	0.18
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	9	0.18
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	9	0.18
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	9	0.18
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	9	0.18
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	17	0.18
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	17	0.18
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	17	0.18
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	17	0.18
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	17	0.18
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	17	0.18
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD11	23	0.18
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD12	23	0.18
(1,1256)	1:71:A:VAL:HG11	1:14:A:ILE:HD13	23	0.18
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD11	23	0.18
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD12	23	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:71:A:VAL:HG12	1:14:A:ILE:HD13	23	0.18
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD11	23	0.18
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD12	23	0.18
(1,1256)	1:71:A:VAL:HG13	1:14:A:ILE:HD13	23	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	6	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	6	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	6	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	6	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	6	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	6	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	9	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	9	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	9	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	9	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	9	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	9	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	13	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	13	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	13	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	13	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	13	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	13	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	17	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	17	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	17	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	17	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	17	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	17	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	19	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	19	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	19	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	19	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	19	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	19	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	24	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	24	0.18
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	24	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	24	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	24	0.18
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	24	0.18
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	13	0.18
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	24	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	5	0.18
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	25	0.18
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	25	0.18
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	25	0.18
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	25	0.18
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	25	0.18
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	25	0.18
(1,1107)	1:48:A:GLU:HG2	1:43:A:LYS:HD3	9	0.18
(1,1107)	1:48:A:GLU:HG2	1:43:A:LYS:HD3	18	0.18
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG2	5	0.18
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG3	5	0.18
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG2	5	0.18
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG3	5	0.18
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG2	5	0.18
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG3	5	0.18
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	6	0.18
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	6	0.18
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	6	0.18
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	10	0.18
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	10	0.18
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	10	0.18
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	23	0.18
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	23	0.18
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	23	0.18
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	15	0.18
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	15	0.18
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	15	0.18
(1,993)	1:16:A:ALA:HB1	1:35:A:PRO:HG2	16	0.18
(1,993)	1:16:A:ALA:HB2	1:35:A:PRO:HG2	16	0.18
(1,993)	1:16:A:ALA:HB3	1:35:A:PRO:HG2	16	0.18
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	11	0.18
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA2	17	0.18
(1,937)	1:6:A:LYS:HG3	1:4:A:GLY:HA3	17	0.18
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA2	8	0.18
(1,936)	1:7:A:GLU:HG3	1:4:A:GLY:HA3	8	0.18
(1,864)	1:30:A:LEU:HD21	1:62:A:ASP:HB3	21	0.18
(1,864)	1:30:A:LEU:HD22	1:62:A:ASP:HB3	21	0.18
(1,864)	1:30:A:LEU:HD23	1:62:A:ASP:HB3	21	0.18
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE2	4	0.18
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE3	11	0.18
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	19	0.18
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	25	0.18
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	25	0.18
(1,604)	1:17:A:LEU:HA	1:18:A:ALA:HB2	12	0.18
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	4	0.18
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	5	0.18
(1,469)	1:58:A:LEU:HD21	1:55:A:GLY:H	15	0.18
(1,469)	1:58:A:LEU:HD22	1:55:A:GLY:H	15	0.18
(1,469)	1:58:A:LEU:HD23	1:55:A:GLY:H	15	0.18
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	8	0.18
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	22	0.18
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	11	0.18
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	23	0.18
(1,327)	1:58:A:LEU:HD21	1:56:A:GLN:H	25	0.18
(1,327)	1:58:A:LEU:HD22	1:56:A:GLN:H	25	0.18
(1,327)	1:58:A:LEU:HD23	1:56:A:GLN:H	25	0.18
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	4	0.18
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	10	0.18
(1,293)	1:6:A:LYS:HG2	1:4:A:GLY:H	8	0.18
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	13	0.18
(1,282)	1:6:A:LYS:H	1:4:A:GLY:H	12	0.18
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	4	0.18
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	4	0.18
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	4	0.18
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	4	0.18
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	12	0.18
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	11	0.18
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	11	0.18
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	14	0.18
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	14	0.18
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	17	0.18
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	17	0.18
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	18	0.18
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	18	0.18
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	3	0.17
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	10	0.17
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	12	0.17
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	14	0.17
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	24	0.17
(1,1840)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	9	0.17
(1,1808)	1:22:A:PHE:HD1	1:24:A:ILE:HG12	22	0.17
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD11	25	0.17
(1,1752)	1:34:A:LEU:HD12	1:31:A:MET:HE2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:24:A:ILE:HG23	1:17:A:LEU:HB3	4	0.17
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG13	17	0.17
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	8	0.17
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	11	0.17
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	21	0.17
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	15	0.17
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	20	0.17
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	10	0.17
(1,1590)	1:76:A:VAL:HG13	1:6:A:LYS:HA	16	0.17
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	20	0.17
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	22	0.17
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	23	0.17
(1,1533)	1:68:A:ALA:HB2	1:69:A:GLU:HA	1	0.17
(1,1488)	1:39:A:ASP:HA	1:41:A:THR:H	1	0.17
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	18	0.17
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	18	0.17
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	23	0.17
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	20	0.17
(1,1367)	1:14:A:ILE:HD12	1:13:A:ILE:H	12	0.17
(1,1356)	1:47:A:VAL:HG13	1:46:A:ASP:H	17	0.17
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	13	0.17
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	13	0.17
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	13	0.17
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	13	0.17
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	13	0.17
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	13	0.17
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	24	0.17
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	24	0.17
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	24	0.17
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	24	0.17
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	24	0.17
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	24	0.17
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	12	0.17
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	12	0.17
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	12	0.17
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	12	0.17
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	12	0.17
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	12	0.17
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	12	0.17
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	12	0.17
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	12	0.17
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	24	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	24	0.17
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	24	0.17
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	24	0.17
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	24	0.17
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	24	0.17
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	24	0.17
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	24	0.17
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	24	0.17
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	17	0.17
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	17	0.17
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	17	0.17
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	17	0.17
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	17	0.17
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	17	0.17
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	25	0.17
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	25	0.17
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	25	0.17
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	25	0.17
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	25	0.17
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	25	0.17
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	12	0.17
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	12	0.17
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	12	0.17
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	12	0.17
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	12	0.17
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	12	0.17
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	14	0.17
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	14	0.17
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	14	0.17
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	14	0.17
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	14	0.17
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	14	0.17
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	8	0.17
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	17	0.17
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	9	0.17
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	9	0.17
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	24	0.17
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	24	0.17
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG2	4	0.17
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG3	4	0.17
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG2	4	0.17
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG3	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG2	4	0.17
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG3	4	0.17
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG2	14	0.17
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG3	14	0.17
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG2	14	0.17
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG3	14	0.17
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG2	14	0.17
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG3	14	0.17
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	4	0.17
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	4	0.17
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	4	0.17
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	24	0.17
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	24	0.17
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	24	0.17
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	8	0.17
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	8	0.17
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	8	0.17
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	17	0.17
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA2	6	0.17
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA3	6	0.17
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA2	6	0.17
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA3	6	0.17
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA2	6	0.17
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA3	6	0.17
(1,864)	1:30:A:LEU:HD21	1:62:A:ASP:HB3	10	0.17
(1,864)	1:30:A:LEU:HD22	1:62:A:ASP:HB3	10	0.17
(1,864)	1:30:A:LEU:HD23	1:62:A:ASP:HB3	10	0.17
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	22	0.17
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	13	0.17
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	10	0.17
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	19	0.17
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	21	0.17
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	9	0.17
(1,533)	1:27:A:PRO:HG2	1:31:A:MET:HE2	21	0.17
(1,533)	1:27:A:PRO:HG3	1:31:A:MET:HE2	21	0.17
(1,512)	1:34:A:LEU:HD11	1:16:A:ALA:HB1	12	0.17
(1,512)	1:34:A:LEU:HD11	1:16:A:ALA:HB2	12	0.17
(1,512)	1:34:A:LEU:HD11	1:16:A:ALA:HB3	12	0.17
(1,512)	1:34:A:LEU:HD12	1:16:A:ALA:HB1	12	0.17
(1,512)	1:34:A:LEU:HD12	1:16:A:ALA:HB2	12	0.17
(1,512)	1:34:A:LEU:HD12	1:16:A:ALA:HB3	12	0.17
(1,512)	1:34:A:LEU:HD13	1:16:A:ALA:HB1	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:34:A:LEU:HD13	1:16:A:ALA:HB2	12	0.17
(1,512)	1:34:A:LEU:HD13	1:16:A:ALA:HB3	12	0.17
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	2	0.17
(1,379)	1:36:A:ASN:HA	1:36:A:ASN:HD22	23	0.17
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	16	0.17
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	16	0.17
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	16	0.17
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	19	0.17
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	19	0.17
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	19	0.17
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	2	0.17
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	2	0.17
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	2	0.17
(1,176)	1:25:A:ASN:H	1:26:A:SER:H	7	0.17
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	9	0.17
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	7	0.17
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	7	0.17
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	24	0.17
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	24	0.17
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	4	0.16
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	1	0.16
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	5	0.16
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	6	0.16
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	7	0.16
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	13	0.16
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	15	0.16
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	17	0.16
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	19	0.16
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	25	0.16
(1,1840)	1:34:A:LEU:HD11	1:30:A:LEU:HB2	25	0.16
(1,1801)	1:22:A:PHE:HE2	1:64:A:PRO:HD3	4	0.16
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD11	11	0.16
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD13	17	0.16
(1,1756)	1:27:A:PRO:HG3	1:75:A:ILE:HG12	20	0.16
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD21	7	0.16
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD23	24	0.16
(1,1700)	1:46:A:ASP:H	1:47:A:VAL:HG13	19	0.16
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG13	8	0.16
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	3	0.16
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	13	0.16
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	15	0.16
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	22	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	23	0.16
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	6	0.16
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	17	0.16
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	24	0.16
(1,1533)	1:68:A:ALA:HB2	1:69:A:GLU:HA	3	0.16
(1,1510)	1:49:A:LEU:HD11	1:79:A:ALA:HB3	23	0.16
(1,1502)	1:15:A:GLY:HA2	1:18:A:ALA:HB1	6	0.16
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	8	0.16
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	21	0.16
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	23	0.16
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	3	0.16
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	17	0.16
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	3	0.16
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	17	0.16
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	12	0.16
(1,1419)	1:7:A:GLU:HG2	1:11:A:GLY:H	22	0.16
(1,1356)	1:47:A:VAL:HG13	1:46:A:ASP:H	19	0.16
(1,1324)	1:76:A:VAL:HG11	1:13:A:ILE:HD11	24	0.16
(1,1324)	1:76:A:VAL:HG11	1:13:A:ILE:HD12	24	0.16
(1,1324)	1:76:A:VAL:HG11	1:13:A:ILE:HD13	24	0.16
(1,1324)	1:76:A:VAL:HG12	1:13:A:ILE:HD11	24	0.16
(1,1324)	1:76:A:VAL:HG12	1:13:A:ILE:HD12	24	0.16
(1,1324)	1:76:A:VAL:HG12	1:13:A:ILE:HD13	24	0.16
(1,1324)	1:76:A:VAL:HG13	1:13:A:ILE:HD11	24	0.16
(1,1324)	1:76:A:VAL:HG13	1:13:A:ILE:HD12	24	0.16
(1,1324)	1:76:A:VAL:HG13	1:13:A:ILE:HD13	24	0.16
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	2	0.16
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	2	0.16
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	2	0.16
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	2	0.16
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	2	0.16
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	2	0.16
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	13	0.16
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	13	0.16
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	13	0.16
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	13	0.16
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	13	0.16
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	13	0.16
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	5	0.16
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	5	0.16
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	5	0.16
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	5	0.16
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	5	0.16
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	5	0.16
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	5	0.16
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	5	0.16
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	11	0.16
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	11	0.16
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	11	0.16
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	11	0.16
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	11	0.16
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	11	0.16
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	11	0.16
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	11	0.16
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	11	0.16
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	16	0.16
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	16	0.16
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	16	0.16
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	16	0.16
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	16	0.16
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	16	0.16
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	24	0.16
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	24	0.16
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	24	0.16
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	24	0.16
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	24	0.16
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	24	0.16
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	8	0.16
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	8	0.16
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	8	0.16
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	8	0.16
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	8	0.16
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	8	0.16
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	25	0.16
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	25	0.16
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	25	0.16
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	25	0.16
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	25	0.16
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	25	0.16
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	19	0.16
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	19	0.16
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG2	19	0.16
(1,1067)	1:34:A:LEU:HD21	1:31:A:MET:HG3	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG2	19	0.16
(1,1067)	1:34:A:LEU:HD22	1:31:A:MET:HG3	19	0.16
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG2	19	0.16
(1,1067)	1:34:A:LEU:HD23	1:31:A:MET:HG3	19	0.16
(1,1062)	1:34:A:LEU:HD11	1:31:A:MET:HB2	9	0.16
(1,1062)	1:34:A:LEU:HD12	1:31:A:MET:HB2	9	0.16
(1,1062)	1:34:A:LEU:HD13	1:31:A:MET:HB2	9	0.16
(1,1062)	1:34:A:LEU:HD11	1:31:A:MET:HB2	18	0.16
(1,1062)	1:34:A:LEU:HD12	1:31:A:MET:HB2	18	0.16
(1,1062)	1:34:A:LEU:HD13	1:31:A:MET:HB2	18	0.16
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD21	17	0.16
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD22	17	0.16
(1,1041)	1:71:A:VAL:HB	1:58:A:LEU:HD23	17	0.16
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	2	0.16
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	2	0.16
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	2	0.16
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	15	0.16
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	15	0.16
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	15	0.16
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	15	0.16
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	10	0.16
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	14	0.16
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	15	0.16
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	20	0.16
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	23	0.16
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	25	0.16
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	15	0.16
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	16	0.16
(1,467)	1:55:A:GLY:HA3	1:53:A:ASP:H	25	0.16
(1,448)	1:26:A:SER:HB2	1:26:A:SER:H	24	0.16
(1,413)	1:6:A:LYS:HD2	1:6:A:LYS:H	24	0.16
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	16	0.16
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	16	0.16
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	16	0.16
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	5	0.16
(1,352)	1:37:A:GLY:HA2	1:33:A:ALA:H	12	0.16
(1,352)	1:37:A:GLY:HA3	1:33:A:ALA:H	12	0.16
(1,288)	1:8:A:ASP:HB2	1:4:A:GLY:H	17	0.16
(1,207)	1:75:A:ILE:HD12	1:72:A:ALA:H	23	0.16
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	7	0.16
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	7	0.16
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:34:A:LEU:HD21	1:37:A:GLY:H	21	0.16
(1,205)	1:34:A:LEU:HD22	1:37:A:GLY:H	21	0.16
(1,205)	1:34:A:LEU:HD23	1:37:A:GLY:H	21	0.16
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	13	0.16
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	13	0.16
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	13	0.16
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	19	0.16
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	19	0.16
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	21	0.16
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	21	0.16
(1,112)	1:2:A:LYS:HB3	1:3:A:MET:H	22	0.16
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	2	0.15
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	4	0.15
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	9	0.15
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	18	0.15
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	20	0.15
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	21	0.15
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	23	0.15
(1,1854)	1:76:A:VAL:HG22	1:13:A:ILE:HD13	15	0.15
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	1	0.15
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG22	6	0.15
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG21	18	0.15
(1,1715)	1:68:A:ALA:HA	1:30:A:LEU:HD23	17	0.15
(1,1697)	1:81:A:LEU:HD13	1:76:A:VAL:HG11	19	0.15
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	17	0.15
(1,1647)	1:71:A:VAL:HG11	1:62:A:ASP:HB3	16	0.15
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	1	0.15
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	14	0.15
(1,1590)	1:76:A:VAL:HG12	1:6:A:LYS:HA	23	0.15
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	5	0.15
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	2	0.15
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	4	0.15
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	13	0.15
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	16	0.15
(1,1539)	1:49:A:LEU:HD12	1:79:A:ALA:HB3	19	0.15
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	7	0.15
(1,1502)	1:15:A:GLY:HA2	1:18:A:ALA:HB3	5	0.15
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	15	0.15
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	10	0.15
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	23	0.15
(1,1463)	1:44:A:SER:HB3	1:12:A:GLN:HE21	18	0.15
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	22	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	23	0.15
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	24	0.15
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	22	0.15
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	23	0.15
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	24	0.15
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	1	0.15
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	5	0.15
(1,1367)	1:14:A:ILE:HD13	1:13:A:ILE:H	14	0.15
(1,1357)	1:7:A:GLU:HB2	1:8:A:ASP:H	20	0.15
(1,1357)	1:7:A:GLU:HB2	1:8:A:ASP:H	22	0.15
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	20	0.15
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	20	0.15
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	20	0.15
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	20	0.15
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	20	0.15
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	20	0.15
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	21	0.15
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	21	0.15
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	21	0.15
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	19	0.15
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	19	0.15
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	19	0.15
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	19	0.15
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	19	0.15
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	19	0.15
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	18	0.15
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	18	0.15
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	18	0.15
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	18	0.15
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	18	0.15
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	18	0.15
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	18	0.15
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	18	0.15
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	18	0.15
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	19	0.15
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	19	0.15
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	19	0.15
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	19	0.15
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	19	0.15
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	19	0.15
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	19	0.15
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	19	0.15
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	15	0.15
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	15	0.15
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	15	0.15
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	15	0.15
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	15	0.15
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	15	0.15
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	21	0.15
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	21	0.15
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	21	0.15
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	21	0.15
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	21	0.15
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	21	0.15
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	19	0.15
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	12	0.15
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	24	0.15
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA2	13	0.15
(1,1143)	1:14:A:ILE:HG12	1:11:A:GLY:HA3	13	0.15
(1,1107)	1:48:A:GLU:HG3	1:43:A:LYS:HD3	6	0.15
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	3	0.15
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	3	0.15
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	17	0.15
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	17	0.15
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	21	0.15
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	21	0.15
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	21	0.15
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	10	0.15
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	12	0.15
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	21	0.15
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	4	0.15
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA2	12	0.15
(1,915)	1:9:A:ILE:HD11	1:45:A:GLY:HA3	12	0.15
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA2	12	0.15
(1,915)	1:9:A:ILE:HD12	1:45:A:GLY:HA3	12	0.15
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA2	12	0.15
(1,915)	1:9:A:ILE:HD13	1:45:A:GLY:HA3	12	0.15
(1,864)	1:30:A:LEU:HD21	1:62:A:ASP:HB3	14	0.15
(1,864)	1:30:A:LEU:HD22	1:62:A:ASP:HB3	14	0.15
(1,864)	1:30:A:LEU:HD23	1:62:A:ASP:HB3	14	0.15
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE2	24	0.15
(1,798)	1:75:A:ILE:HD12	1:72:A:ALA:HA	10	0.15
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	3	0.15
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	7	0.15
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	12	0.15
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	18	0.15
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	19	0.15
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	23	0.15
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	10	0.15
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	12	0.15
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	21	0.15
(1,469)	1:58:A:LEU:HD21	1:55:A:GLY:H	21	0.15
(1,469)	1:58:A:LEU:HD22	1:55:A:GLY:H	21	0.15
(1,469)	1:58:A:LEU:HD23	1:55:A:GLY:H	21	0.15
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	22	0.15
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	22	0.15
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	22	0.15
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	7	0.15
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	13	0.15
(1,207)	1:75:A:ILE:HD13	1:72:A:ALA:H	13	0.15
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	3	0.15
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	3	0.15
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	3	0.15
(1,148)	1:43:A:LYS:HG3	1:41:A:THR:H	18	0.15
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	8	0.15
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	8	0.15
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	9	0.15
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	9	0.15
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	10	0.15
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	10	0.15
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	23	0.15
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	23	0.15
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	10	0.14
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	18	0.14
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	8	0.14
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	16	0.14
(3,8)	1:9:A:ILE:N	1:5:A:VAL:O	22	0.14
(1,1840)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	10	0.14
(1,1788)	1:6:A:LYS:H	1:9:A:ILE:HD12	19	0.14
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD11	5	0.14
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	2	0.14
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	4	0.14
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	7	0.14
(1,1647)	1:71:A:VAL:HG12	1:62:A:ASP:HB3	22	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1621)	1:13:A:ILE:HD12	1:76:A:VAL:HG13	11	0.14
(1,1603)	1:46:A:ASP:H	1:43:A:LYS:HB3	8	0.14
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	4	0.14
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	8	0.14
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	16	0.14
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	18	0.14
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	25	0.14
(1,1550)	1:22:A:PHE:HD1	1:22:A:PHE:HB2	19	0.14
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	1	0.14
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	5	0.14
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	9	0.14
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	12	0.14
(1,1533)	1:68:A:ALA:HB1	1:69:A:GLU:HA	14	0.14
(1,1518)	1:44:A:SER:HB2	1:5:A:VAL:HG12	1	0.14
(1,1518)	1:44:A:SER:HB2	1:5:A:VAL:HG13	4	0.14
(1,1488)	1:39:A:ASP:HA	1:41:A:THR:H	19	0.14
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	1	0.14
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	16	0.14
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	4	0.14
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	6	0.14
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	18	0.14
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	19	0.14
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	20	0.14
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	20	0.14
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	20	0.14
(1,1427)	1:24:A:ILE:HD12	1:25:A:ASN:H	24	0.14
(1,1398)	1:4:A:GLY:H	1:6:A:LYS:H	6	0.14
(1,1263)	1:65:A:PHE:HB2	1:30:A:LEU:HD11	22	0.14
(1,1263)	1:65:A:PHE:HB2	1:30:A:LEU:HD12	22	0.14
(1,1263)	1:65:A:PHE:HB2	1:30:A:LEU:HD13	22	0.14
(1,1263)	1:65:A:PHE:HB3	1:30:A:LEU:HD11	22	0.14
(1,1263)	1:65:A:PHE:HB3	1:30:A:LEU:HD12	22	0.14
(1,1263)	1:65:A:PHE:HB3	1:30:A:LEU:HD13	22	0.14
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	14	0.14
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	14	0.14
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	14	0.14
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	14	0.14
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	14	0.14
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	14	0.14
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	14	0.14
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	14	0.14
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	18	0.14
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	18	0.14
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	18	0.14
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	18	0.14
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	18	0.14
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	18	0.14
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	18	0.14
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	18	0.14
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	18	0.14
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD11	23	0.14
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD12	23	0.14
(1,1257)	1:71:A:VAL:HG21	1:14:A:ILE:HD13	23	0.14
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD11	23	0.14
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD12	23	0.14
(1,1257)	1:71:A:VAL:HG22	1:14:A:ILE:HD13	23	0.14
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD11	23	0.14
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD12	23	0.14
(1,1257)	1:71:A:VAL:HG23	1:14:A:ILE:HD13	23	0.14
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	2	0.14
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	2	0.14
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	2	0.14
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	2	0.14
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	2	0.14
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	2	0.14
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	5	0.14
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	5	0.14
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	5	0.14
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	5	0.14
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	5	0.14
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	5	0.14
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	11	0.14
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	11	0.14
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	11	0.14
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	11	0.14
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	11	0.14
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	11	0.14
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	1	0.14
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	1	0.14
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	1	0.14
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	11	0.14
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	11	0.14
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	3	0.14
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	3	0.14
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	3	0.14
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	12	0.14
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	12	0.14
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	12	0.14
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	8	0.14
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	18	0.14
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	24	0.14
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	25	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	1	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	2	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	3	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	4	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	5	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	6	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	7	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	8	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	9	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	10	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	11	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	12	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	13	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	14	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	15	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	16	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	17	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	18	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	19	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	20	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	21	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	22	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	23	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	24	0.14
(1,711)	1:44:A:SER:HB3	1:44:A:SER:HB2	25	0.14
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	2	0.14
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	4	0.14
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	5	0.14
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	6	0.14
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	11	0.14
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	21	0.14
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	8	0.14
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	11	0.14
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	25	0.14
(1,533)	1:27:A:PRO:HG2	1:31:A:MET:HE2	22	0.14
(1,533)	1:27:A:PRO:HG3	1:31:A:MET:HE2	22	0.14
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB2	22	0.14
(1,522)	1:30:A:LEU:HB2	1:17:A:LEU:HB3	22	0.14
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB2	22	0.14
(1,522)	1:30:A:LEU:HB3	1:17:A:LEU:HB3	22	0.14
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	9	0.14
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	9	0.14
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	9	0.14
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	20	0.14
(1,327)	1:58:A:LEU:HD21	1:56:A:GLN:H	20	0.14
(1,327)	1:58:A:LEU:HD22	1:56:A:GLN:H	20	0.14
(1,327)	1:58:A:LEU:HD23	1:56:A:GLN:H	20	0.14
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	14	0.14
(1,229)	1:71:A:VAL:HG11	1:68:A:ALA:H	10	0.14
(1,229)	1:71:A:VAL:HG12	1:68:A:ALA:H	10	0.14
(1,229)	1:71:A:VAL:HG13	1:68:A:ALA:H	10	0.14
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	3	0.14
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	3	0.14
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	6	0.14
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	6	0.14
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	8	0.13
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	23	0.13
(1,1843)	1:14:A:ILE:HD11	1:69:A:GLU:HB3	23	0.13
(1,1840)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	6	0.13
(1,1796)	1:65:A:PHE:HD2	1:71:A:VAL:HB	13	0.13
(1,1788)	1:6:A:LYS:H	1:9:A:ILE:HD12	5	0.13
(1,1761)	1:75:A:ILE:HG12	1:75:A:ILE:HG21	23	0.13
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	5	0.13
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	6	0.13
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	19	0.13
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	20	0.13
(1,1619)	1:62:A:ASP:HB3	1:71:A:VAL:HG22	18	0.13
(1,1609)	1:75:A:ILE:HG13	1:71:A:VAL:HB	10	0.13
(1,1591)	1:81:A:LEU:HD23	1:6:A:LYS:HA	7	0.13
(1,1556)	1:44:A:SER:HB2	1:8:A:ASP:HB2	7	0.13
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	6	0.13
(1,1518)	1:6:A:LYS:HA	1:5:A:VAL:HG13	8	0.13
(1,1518)	1:44:A:SER:HB2	1:5:A:VAL:HG13	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:49:A:LEU:HD11	1:79:A:ALA:HB2	22	0.13
(1,1488)	1:39:A:ASP:HA	1:41:A:THR:H	23	0.13
(1,1488)	1:39:A:ASP:HA	1:41:A:THR:H	24	0.13
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	10	0.13
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	22	0.13
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	24	0.13
(1,1460)	1:27:A:PRO:HG3	1:26:A:SER:H	16	0.13
(1,1459)	1:27:A:PRO:HG3	1:26:A:SER:H	16	0.13
(1,1439)	1:66:A:LYS:HA	1:70:A:GLU:H	4	0.13
(1,1427)	1:24:A:ILE:HD13	1:25:A:ASN:H	4	0.13
(1,1398)	1:4:A:GLY:H	1:6:A:LYS:H	21	0.13
(1,1393)	1:6:A:LYS:HB3	1:7:A:GLU:H	18	0.13
(1,1367)	1:14:A:ILE:HD13	1:13:A:ILE:H	5	0.13
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB2	16	0.13
(1,1314)	1:17:A:LEU:HD21	1:30:A:LEU:HB3	16	0.13
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB2	16	0.13
(1,1314)	1:17:A:LEU:HD22	1:30:A:LEU:HB3	16	0.13
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB2	16	0.13
(1,1314)	1:17:A:LEU:HD23	1:30:A:LEU:HB3	16	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	8	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	8	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	8	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	8	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	8	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	8	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	10	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	10	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	10	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	10	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	10	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	10	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	11	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	11	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	11	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	11	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	11	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	11	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	18	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	18	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	18	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	18	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	18	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	21	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	21	0.13
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	21	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	21	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	21	0.13
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	21	0.13
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	24	0.13
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	6	0.13
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD11	3	0.13
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD12	3	0.13
(1,1152)	1:6:A:LYS:HB2	1:9:A:ILE:HD13	3	0.13
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD11	3	0.13
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD12	3	0.13
(1,1152)	1:6:A:LYS:HB3	1:9:A:ILE:HD13	3	0.13
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	3	0.13
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	3	0.13
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	3	0.13
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	6	0.13
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	6	0.13
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	6	0.13
(1,1063)	1:34:A:LEU:HD21	1:31:A:MET:HB3	2	0.13
(1,1063)	1:34:A:LEU:HD22	1:31:A:MET:HB3	2	0.13
(1,1063)	1:34:A:LEU:HD23	1:31:A:MET:HB3	2	0.13
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	12	0.13
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	12	0.13
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	12	0.13
(1,938)	1:12:A:GLN:HG3	1:9:A:ILE:HA	13	0.13
(1,864)	1:30:A:LEU:HD21	1:62:A:ASP:HB3	11	0.13
(1,864)	1:30:A:LEU:HD22	1:62:A:ASP:HB3	11	0.13
(1,864)	1:30:A:LEU:HD23	1:62:A:ASP:HB3	11	0.13
(1,864)	1:30:A:LEU:HD21	1:62:A:ASP:HB3	20	0.13
(1,864)	1:30:A:LEU:HD22	1:62:A:ASP:HB3	20	0.13
(1,864)	1:30:A:LEU:HD23	1:62:A:ASP:HB3	20	0.13
(1,864)	1:30:A:LEU:HD21	1:62:A:ASP:HB3	25	0.13
(1,864)	1:30:A:LEU:HD22	1:62:A:ASP:HB3	25	0.13
(1,864)	1:30:A:LEU:HD23	1:62:A:ASP:HB3	25	0.13
(1,815)	1:9:A:ILE:H	1:12:A:GLN:HG3	12	0.13
(1,798)	1:75:A:ILE:HD13	1:72:A:ALA:HA	13	0.13
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	20	0.13
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	8	0.13
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	17	0.13
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	24	0.13
(1,680)	1:61:A:ASP:HA	1:60:A:ALA:HB2	15	0.13
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	2	0.13
(1,617)	1:65:A:PHE:HE1	1:62:A:ASP:HA	13	0.13
(1,617)	1:65:A:PHE:HE2	1:62:A:ASP:HA	13	0.13
(1,573)	1:39:A:ASP:H	1:39:A:ASP:HB2	17	0.13
(1,533)	1:27:A:PRO:HG2	1:31:A:MET:HE2	13	0.13
(1,533)	1:27:A:PRO:HG3	1:31:A:MET:HE2	13	0.13
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	9	0.13
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	7	0.13
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	7	0.13
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	7	0.13
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	8	0.13
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	8	0.13
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	8	0.13
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	21	0.13
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	21	0.13
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	21	0.13
(1,327)	1:58:A:LEU:HD21	1:56:A:GLN:H	2	0.13
(1,327)	1:58:A:LEU:HD22	1:56:A:GLN:H	2	0.13
(1,327)	1:58:A:LEU:HD23	1:56:A:GLN:H	2	0.13
(1,327)	1:58:A:LEU:HD21	1:56:A:GLN:H	15	0.13
(1,327)	1:58:A:LEU:HD22	1:56:A:GLN:H	15	0.13
(1,327)	1:58:A:LEU:HD23	1:56:A:GLN:H	15	0.13
(1,304)	1:50:A:LYS:HA	1:53:A:ASP:H	1	0.13
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	1	0.13
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	1	0.13
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	2	0.13
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	2	0.13
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	4	0.13
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	4	0.13
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	5	0.13
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	5	0.13
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	13	0.13
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	13	0.13
(1,20)	1:45:A:GLY:HA2	1:46:A:ASP:H	16	0.13
(1,20)	1:45:A:GLY:HA3	1:46:A:ASP:H	16	0.13
(1,20)	1:45:A:GLY:HA2	1:46:A:ASP:H	25	0.13
(1,20)	1:45:A:GLY:HA3	1:46:A:ASP:H	25	0.13
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	11	0.12
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	24	0.12
(1,1847)	1:14:A:ILE:HD13	1:13:A:ILE:HG22	25	0.12
(1,1840)	1:34:A:LEU:HD13	1:30:A:LEU:HB2	16	0.12
(1,1835)	1:75:A:ILE:HG21	1:49:A:LEU:HD11	20	0.12
(1,1825)	1:13:A:ILE:HG22	1:71:A:VAL:HG13	25	0.12
(1,1813)	1:24:A:ILE:HA	1:65:A:PHE:HD2	5	0.12
(1,1650)	1:8:A:ASP:H	1:7:A:GLU:HB2	18	0.12
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	9	0.12
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	13	0.12
(1,1583)	1:69:A:GLU:H	1:68:A:ALA:HB2	2	0.12
(1,1583)	1:69:A:GLU:H	1:68:A:ALA:HB1	3	0.12
(1,1550)	1:22:A:PHE:HD1	1:22:A:PHE:HB2	10	0.12
(1,1545)	1:8:A:ASP:H	1:8:A:ASP:HB3	3	0.12
(1,1539)	1:49:A:LEU:HD12	1:79:A:ALA:HB1	21	0.12
(1,1502)	1:15:A:GLY:HA2	1:18:A:ALA:HB2	18	0.12
(1,1488)	1:39:A:ASP:HA	1:41:A:THR:H	20	0.12
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	2	0.12
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	20	0.12
(1,1470)	1:75:A:ILE:HG13	1:73:A:ASP:H	14	0.12
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD11	5	0.12
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD12	5	0.12
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD13	5	0.12
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD11	5	0.12
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD12	5	0.12
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD13	5	0.12
(1,1310)	1:30:A:LEU:HD21	1:31:A:MET:HE2	25	0.12
(1,1310)	1:30:A:LEU:HD22	1:31:A:MET:HE2	25	0.12
(1,1310)	1:30:A:LEU:HD23	1:31:A:MET:HE2	25	0.12
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD11	17	0.12
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD12	17	0.12
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD13	17	0.12
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD11	17	0.12
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD12	17	0.12
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD13	17	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	12	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	12	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	12	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	12	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	12	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	12	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	13	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	13	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	13	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	13	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	13	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	14	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	14	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	14	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	14	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	14	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	14	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	20	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	20	0.12
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	20	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	20	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	20	0.12
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	20	0.12
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD21	1	0.12
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD22	1	0.12
(1,1211)	1:22:A:PHE:HD1	1:30:A:LEU:HD23	1	0.12
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD21	1	0.12
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD22	1	0.12
(1,1211)	1:22:A:PHE:HD2	1:30:A:LEU:HD23	1	0.12
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG21	23	0.12
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG22	23	0.12
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG23	23	0.12
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG21	23	0.12
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG22	23	0.12
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG23	23	0.12
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	6	0.12
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	7	0.12
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	17	0.12
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	25	0.12
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	3	0.12
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	5	0.12
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	7	0.12
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	25	0.12
(1,1144)	1:11:A:GLY:HA2	1:14:A:ILE:HG21	12	0.12
(1,1144)	1:11:A:GLY:HA2	1:14:A:ILE:HG22	12	0.12
(1,1144)	1:11:A:GLY:HA2	1:14:A:ILE:HG23	12	0.12
(1,1144)	1:11:A:GLY:HA3	1:14:A:ILE:HG21	12	0.12
(1,1144)	1:11:A:GLY:HA3	1:14:A:ILE:HG22	12	0.12
(1,1144)	1:11:A:GLY:HA3	1:14:A:ILE:HG23	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	5	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	5	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	5	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	8	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	8	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	8	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	9	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	9	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	9	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	14	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	14	0.12
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	14	0.12
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	25	0.12
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	25	0.12
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	25	0.12
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	19	0.12
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	19	0.12
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	19	0.12
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	3	0.12
(1,990)	1:58:A:LEU:HB2	1:27:A:PRO:HG2	23	0.12
(1,946)	1:57:A:VAL:HG11	1:56:A:GLN:HG2	9	0.12
(1,946)	1:57:A:VAL:HG12	1:56:A:GLN:HG2	9	0.12
(1,946)	1:57:A:VAL:HG13	1:56:A:GLN:HG2	9	0.12
(1,938)	1:12:A:GLN:HG3	1:9:A:ILE:HA	5	0.12
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	15	0.12
(1,824)	1:37:A:GLY:H	1:40:A:THR:HB	19	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	2	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	5	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	6	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	12	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	13	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	15	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	16	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	19	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	20	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	22	0.12
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	23	0.12
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	13	0.12
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	25	0.12
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	9	0.12
(1,533)	1:27:A:PRO:HG2	1:31:A:MET:HE2	25	0.12
(1,533)	1:27:A:PRO:HG3	1:31:A:MET:HE2	25	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	1	0.12
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	4	0.12
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	7	0.12
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	8	0.12
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	12	0.12
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	16	0.12
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	17	0.12
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	19	0.12
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	21	0.12
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	19	0.12
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	19	0.12
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	19	0.12
(1,395)	1:50:A:LYS:HB3	1:49:A:LEU:H	2	0.12
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	15	0.12
(1,286)	1:6:A:LYS:HA	1:4:A:GLY:H	24	0.12
(1,231)	1:57:A:VAL:H	1:59:A:THR:H	9	0.12
(1,229)	1:71:A:VAL:HG11	1:68:A:ALA:H	19	0.12
(1,229)	1:71:A:VAL:HG12	1:68:A:ALA:H	19	0.12
(1,229)	1:71:A:VAL:HG13	1:68:A:ALA:H	19	0.12
(1,229)	1:71:A:VAL:HG11	1:68:A:ALA:H	23	0.12
(1,229)	1:71:A:VAL:HG12	1:68:A:ALA:H	23	0.12
(1,229)	1:71:A:VAL:HG13	1:68:A:ALA:H	23	0.12
(1,202)	1:40:A:THR:HG21	1:37:A:GLY:H	16	0.12
(1,202)	1:40:A:THR:HG22	1:37:A:GLY:H	16	0.12
(1,202)	1:40:A:THR:HG23	1:37:A:GLY:H	16	0.12
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	12	0.12
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	12	0.12
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	20	0.12
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	20	0.12
(1,20)	1:45:A:GLY:HA2	1:46:A:ASP:H	1	0.12
(1,20)	1:45:A:GLY:HA3	1:46:A:ASP:H	1	0.12
(1,20)	1:45:A:GLY:HA2	1:46:A:ASP:H	5	0.12
(1,20)	1:45:A:GLY:HA3	1:46:A:ASP:H	5	0.12
(1,20)	1:45:A:GLY:HA2	1:46:A:ASP:H	8	0.12
(1,20)	1:45:A:GLY:HA3	1:46:A:ASP:H	8	0.12
(1,20)	1:45:A:GLY:HA2	1:46:A:ASP:H	15	0.12
(1,20)	1:45:A:GLY:HA3	1:46:A:ASP:H	15	0.12
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	1	0.11
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	3	0.11
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	5	0.11
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	14	0.11
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	20	0.11
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	22	0.11
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	24	0.11
(3,12)	1:11:A:GLY:N	1:7:A:GLU:O	15	0.11
(3,12)	1:11:A:GLY:N	1:7:A:GLU:O	20	0.11
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	1	0.11
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	3	0.11
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	10	0.11
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	12	0.11
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	14	0.11
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	17	0.11
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	25	0.11
(1,1802)	1:65:A:PHE:HZ	1:62:A:ASP:HB2	20	0.11
(1,1784)	1:69:A:GLU:HB3	1:14:A:ILE:HD12	20	0.11
(1,1752)	1:34:A:LEU:HD13	1:31:A:MET:HE2	17	0.11
(1,1699)	1:49:A:LEU:HG	1:76:A:VAL:HG11	9	0.11
(1,1675)	1:69:A:GLU:HA	1:70:A:GLU:HG3	10	0.11
(1,1672)	1:65:A:PHE:HD2	1:27:A:PRO:HG3	1	0.11
(1,1671)	1:53:A:ASP:H	1:56:A:GLN:HG2	14	0.11
(1,1659)	1:46:A:ASP:H	1:45:A:GLY:HA2	25	0.11
(1,1602)	1:55:A:GLY:H	1:58:A:LEU:HD13	14	0.11
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	15	0.11
(1,1595)	1:14:A:ILE:HB	1:11:A:GLY:HA2	17	0.11
(1,1583)	1:69:A:GLU:H	1:68:A:ALA:HB1	13	0.11
(1,1550)	1:22:A:PHE:HD1	1:22:A:PHE:HB2	14	0.11
(1,1509)	1:57:A:VAL:HG23	1:79:A:ALA:HB2	4	0.11
(1,1502)	1:15:A:GLY:HA2	1:18:A:ALA:HB2	16	0.11
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	11	0.11
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	17	0.11
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	25	0.11
(1,1439)	1:66:A:LYS:HA	1:70:A:GLU:H	2	0.11
(1,1439)	1:66:A:LYS:HA	1:70:A:GLU:H	8	0.11
(1,1375)	1:48:A:GLU:HB3	1:50:A:LYS:H	6	0.11
(1,1367)	1:14:A:ILE:HD13	1:13:A:ILE:H	2	0.11
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	3	0.11
(1,1354)	1:48:A:GLU:H	1:46:A:ASP:H	20	0.11
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD11	13	0.11
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD12	13	0.11
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD13	13	0.11
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD11	13	0.11
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD12	13	0.11
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD13	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG2	8	0.11
(1,1274)	1:24:A:ILE:HD11	1:27:A:PRO:HG3	8	0.11
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG2	8	0.11
(1,1274)	1:24:A:ILE:HD12	1:27:A:PRO:HG3	8	0.11
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG2	8	0.11
(1,1274)	1:24:A:ILE:HD13	1:27:A:PRO:HG3	8	0.11
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD11	24	0.11
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD12	24	0.11
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD13	24	0.11
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD11	24	0.11
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD12	24	0.11
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD13	24	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	1	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	1	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	1	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	1	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	1	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	1	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	2	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	2	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	2	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	2	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	2	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	2	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	6	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	6	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	6	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	6	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	6	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	6	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	9	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	9	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	9	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	9	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	9	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	9	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	15	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	15	0.11
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	15	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	15	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	15	0.11
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG21	17	0.11
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG22	17	0.11
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG23	17	0.11
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG21	17	0.11
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG22	17	0.11
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG23	17	0.11
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG21	24	0.11
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG22	24	0.11
(1,1206)	1:22:A:PHE:HE1	1:24:A:ILE:HG23	24	0.11
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG21	24	0.11
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG22	24	0.11
(1,1206)	1:22:A:PHE:HE2	1:24:A:ILE:HG23	24	0.11
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	3	0.11
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	1	0.11
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	2	0.11
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	19	0.11
(1,1176)	1:65:A:PHE:HD2	1:62:A:ASP:HB3	25	0.11
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	2	0.11
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	2	0.11
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	2	0.11
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	7	0.11
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	7	0.11
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	7	0.11
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG21	10	0.11
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG22	10	0.11
(1,1123)	1:11:A:GLY:H	1:13:A:ILE:HG23	10	0.11
(1,1115)	1:48:A:GLU:HB3	1:43:A:LYS:HB3	21	0.11
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG2	19	0.11
(1,1075)	1:31:A:MET:HE2	1:27:A:PRO:HG3	19	0.11
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG21	19	0.11
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG22	19	0.11
(1,1007)	1:78:A:LYS:HB2	1:76:A:VAL:HG23	19	0.11
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG21	16	0.11
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG22	16	0.11
(1,1003)	1:7:A:GLU:H	1:76:A:VAL:HG23	16	0.11
(1,856)	1:65:A:PHE:HE1	1:62:A:ASP:HB3	1	0.11
(1,856)	1:65:A:PHE:HE2	1:62:A:ASP:HB3	1	0.11
(1,844)	1:6:A:LYS:HG3	1:2:A:LYS:HE3	2	0.11
(1,841)	1:76:A:VAL:HG21	1:6:A:LYS:HE3	16	0.11
(1,841)	1:76:A:VAL:HG22	1:6:A:LYS:HE3	16	0.11
(1,841)	1:76:A:VAL:HG23	1:6:A:LYS:HE3	16	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	3	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	4	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	7	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	8	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	9	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	10	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	11	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	14	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	17	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	18	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	21	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	24	0.11
(1,750)	1:49:A:LEU:HA	1:49:A:LEU:HB2	25	0.11
(1,749)	1:39:A:ASP:H	1:38:A:PRO:HA	6	0.11
(1,702)	1:62:A:ASP:HA	1:63:A:PHE:HA	9	0.11
(1,653)	1:14:A:ILE:HB	1:11:A:GLY:HA3	24	0.11
(1,617)	1:65:A:PHE:HE1	1:62:A:ASP:HA	16	0.11
(1,617)	1:65:A:PHE:HE2	1:62:A:ASP:HA	16	0.11
(1,589)	1:25:A:ASN:HD21	1:22:A:PHE:HB2	14	0.11
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	18	0.11
(1,427)	1:7:A:GLU:HB3	1:7:A:GLU:H	23	0.11
(1,417)	1:6:A:LYS:HD3	1:4:A:GLY:H	25	0.11
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	3	0.11
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	3	0.11
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	3	0.11
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	10	0.11
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	10	0.11
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	10	0.11
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	12	0.11
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	12	0.11
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	12	0.11
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	13	0.11
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	13	0.11
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	13	0.11
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	14	0.11
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	14	0.11
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	14	0.11
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	15	0.11
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	15	0.11
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	15	0.11
(1,407)	1:60:A:ALA:HB1	1:59:A:THR:H	23	0.11
(1,407)	1:60:A:ALA:HB2	1:59:A:THR:H	23	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:60:A:ALA:HB3	1:59:A:THR:H	23	0.11
(1,150)	1:4:A:GLY:H	1:8:A:ASP:H	20	0.11
(1,117)	1:22:A:PHE:HE1	1:30:A:LEU:H	15	0.11
(1,117)	1:22:A:PHE:HE2	1:30:A:LEU:H	15	0.11
(1,3)	1:41:A:THR:HG21	1:51:A:ALA:H	19	0.11
(1,3)	1:41:A:THR:HG22	1:51:A:ALA:H	19	0.11
(1,3)	1:41:A:THR:HG23	1:51:A:ALA:H	19	0.11
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	7	0.1
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	12	0.1
(3,40)	1:70:A:GLU:H	1:66:A:LYS:O	19	0.1
(3,12)	1:11:A:GLY:N	1:7:A:GLU:O	18	0.1
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	5	0.1
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	6	0.1
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	7	0.1
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	13	0.1
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	15	0.1
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	19	0.1
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	21	0.1
(3,7)	1:9:A:ILE:H	1:5:A:VAL:O	23	0.1
(1,1840)	1:34:A:LEU:HD12	1:30:A:LEU:HB2	2	0.1
(1,1673)	1:10:A:ARG:HA	1:12:A:GLN:HB3	24	0.1
(1,1659)	1:46:A:ASP:H	1:45:A:GLY:HA2	16	0.1
(1,1603)	1:46:A:ASP:H	1:43:A:LYS:HB3	15	0.1
(1,1509)	1:57:A:VAL:HG23	1:79:A:ALA:HB2	6	0.1
(1,1471)	1:47:A:VAL:HA	1:49:A:LEU:H	3	0.1
(1,1439)	1:66:A:LYS:HA	1:70:A:GLU:H	13	0.1
(1,1439)	1:66:A:LYS:HA	1:70:A:GLU:H	20	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD11	3	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD12	3	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD13	3	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD11	3	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD12	3	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD13	3	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD11	4	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD12	4	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD13	4	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD11	4	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD12	4	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD13	4	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD11	8	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD12	8	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD13	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD11	8	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD12	8	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD13	8	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD11	16	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD12	16	0.1
(1,1338)	1:17:A:LEU:HB2	1:24:A:ILE:HD13	16	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD11	16	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD12	16	0.1
(1,1338)	1:17:A:LEU:HB3	1:24:A:ILE:HD13	16	0.1
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD11	7	0.1
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD12	7	0.1
(1,1261)	1:13:A:ILE:HG21	1:14:A:ILE:HD13	7	0.1
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD11	7	0.1
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD12	7	0.1
(1,1261)	1:13:A:ILE:HG22	1:14:A:ILE:HD13	7	0.1
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD11	7	0.1
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD12	7	0.1
(1,1261)	1:13:A:ILE:HG23	1:14:A:ILE:HD13	7	0.1
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD11	5	0.1
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD12	5	0.1
(1,1233)	1:22:A:PHE:HE1	1:24:A:ILE:HD13	5	0.1
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD11	5	0.1
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD12	5	0.1
(1,1233)	1:22:A:PHE:HE2	1:24:A:ILE:HD13	5	0.1
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG21	15	0.1
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG22	15	0.1
(1,1230)	1:65:A:PHE:HD2	1:71:A:VAL:HG23	15	0.1
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD21	22	0.1
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD22	22	0.1
(1,1227)	1:22:A:PHE:HE1	1:17:A:LEU:HD23	22	0.1
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD21	22	0.1
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD22	22	0.1
(1,1227)	1:22:A:PHE:HE2	1:17:A:LEU:HD23	22	0.1
(1,1191)	1:65:A:PHE:HD2	1:63:A:PHE:HB3	5	0.1
(1,1190)	1:65:A:PHE:HD2	1:58:A:LEU:HB2	17	0.1
(1,1062)	1:34:A:LEU:HD11	1:31:A:MET:HB2	10	0.1
(1,1062)	1:34:A:LEU:HD12	1:31:A:MET:HB2	10	0.1
(1,1062)	1:34:A:LEU:HD13	1:31:A:MET:HB2	10	0.1
(1,929)	1:78:A:LYS:HB2	1:75:A:ILE:HA	21	0.1
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	8	0.1
(1,924)	1:66:A:LYS:HB3	1:66:A:LYS:HA	18	0.1
(1,815)	1:9:A:ILE:H	1:12:A:GLN:HG3	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:75:A:ILE:HD12	1:72:A:ALA:HA	12	0.1
(1,606)	1:17:A:LEU:HB2	1:18:A:ALA:HB2	4	0.1
(1,606)	1:17:A:LEU:HB3	1:18:A:ALA:HB2	4	0.1
(1,327)	1:58:A:LEU:HD21	1:56:A:GLN:H	21	0.1
(1,327)	1:58:A:LEU:HD22	1:56:A:GLN:H	21	0.1
(1,327)	1:58:A:LEU:HD23	1:56:A:GLN:H	21	0.1
(1,293)	1:6:A:LYS:HG2	1:4:A:GLY:H	11	0.1
(1,292)	1:6:A:LYS:HB3	1:4:A:GLY:H	15	0.1
(1,20)	1:45:A:GLY:HA2	1:46:A:ASP:H	9	0.1
(1,20)	1:45:A:GLY:HA3	1:46:A:ASP:H	9	0.1

10 Dihedral-angle violation analysis

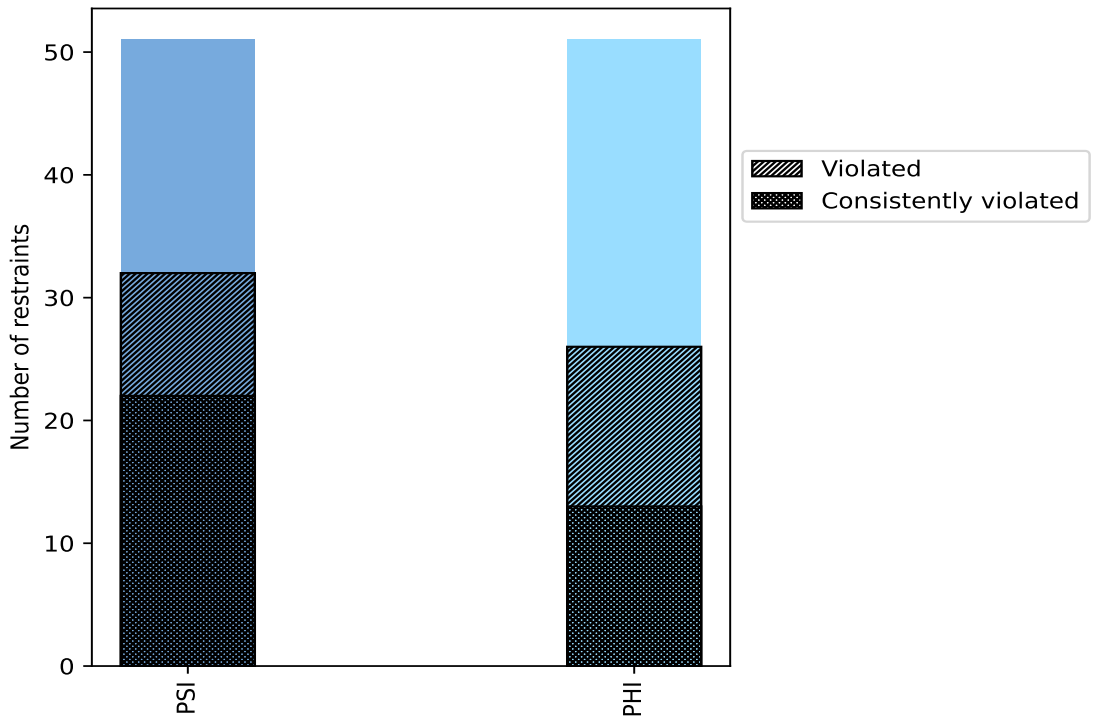
10.1 Summary of dihedral-angle violations

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	51	50.0	32	62.7	31.4	22	43.1	21.6
PHI	51	50.0	26	51.0	25.5	13	25.5	12.7
Total	102	100.0	58	56.9	56.9	35	34.3	34.3

[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



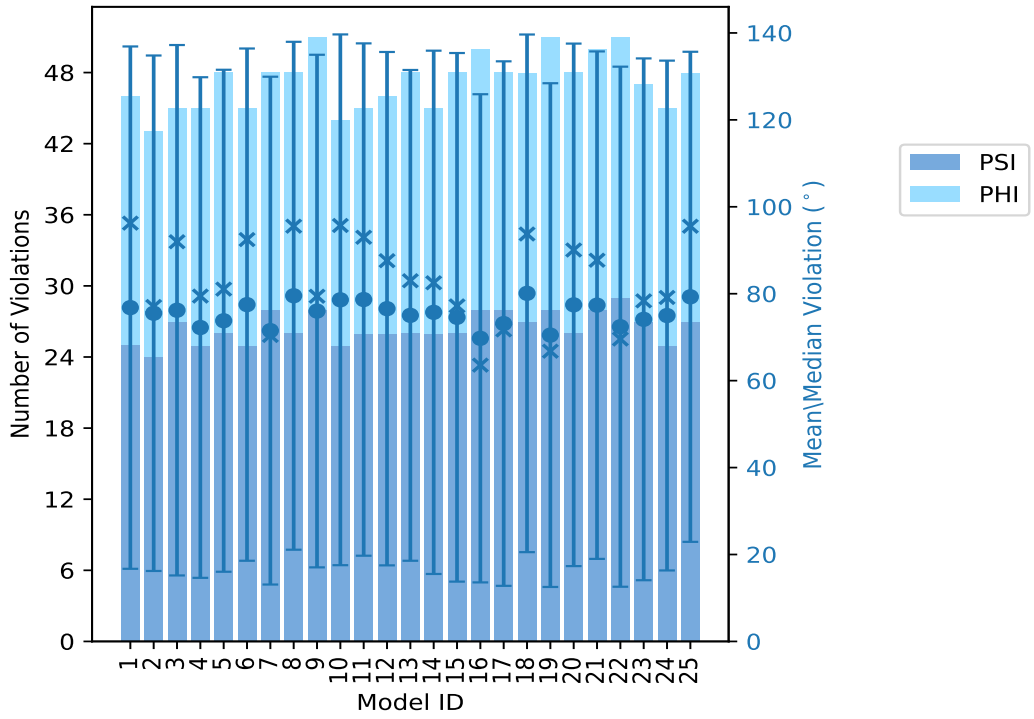
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	25	21	46	76.8	155.11	60.09	96.24
2	24	19	43	75.51	155.2	59.3	77.06
3	27	18	45	76.2	164.74	61.02	91.96
4	25	20	45	72.22	155.87	57.59	79.46
5	26	22	48	73.78	158.08	57.75	81.06
6	25	20	45	77.49	156.07	58.93	92.46
7	28	20	48	71.51	158.09	58.42	70.4
8	26	22	48	79.53	159.2	58.43	95.54
9	28	23	51	76.01	164.11	58.97	79.42
10	25	19	44	78.6	157.74	61.06	95.7
11	26	19	45	78.66	163.79	58.94	92.99
12	26	20	46	76.56	161.56	59.06	87.6
13	26	22	48	75.02	155.37	56.46	82.99
14	26	19	45	75.72	161.44	60.2	82.52
15	26	22	48	74.57	162.08	60.81	77.2
16	28	22	50	69.74	157.07	56.16	63.57
17	28	20	48	73.13	158.61	60.34	71.68
18	27	21	48	80.09	165.29	59.55	93.74
19	28	23	51	70.48	158.96	57.95	66.78
20	26	22	48	77.44	163.97	60.11	90.06
21	28	22	50	77.37	165.23	58.38	87.71
22	29	22	51	72.41	157.71	59.83	69.58
23	27	20	47	74.11	156.2	60.03	78.36
24	25	20	45	74.98	156.0	58.65	79.14
25	27	21	48	79.29	156.39	56.38	95.53

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]	%
1	1	2	1	4.0
1	0	1	2	8.0
2	0	2	3	12.0
0	0	0	4	16.0
0	0	0	5	20.0
0	1	1	6	24.0
0	0	0	7	28.0
0	1	1	8	32.0
0	0	0	9	36.0
0	0	0	10	40.0
1	1	2	11	44.0

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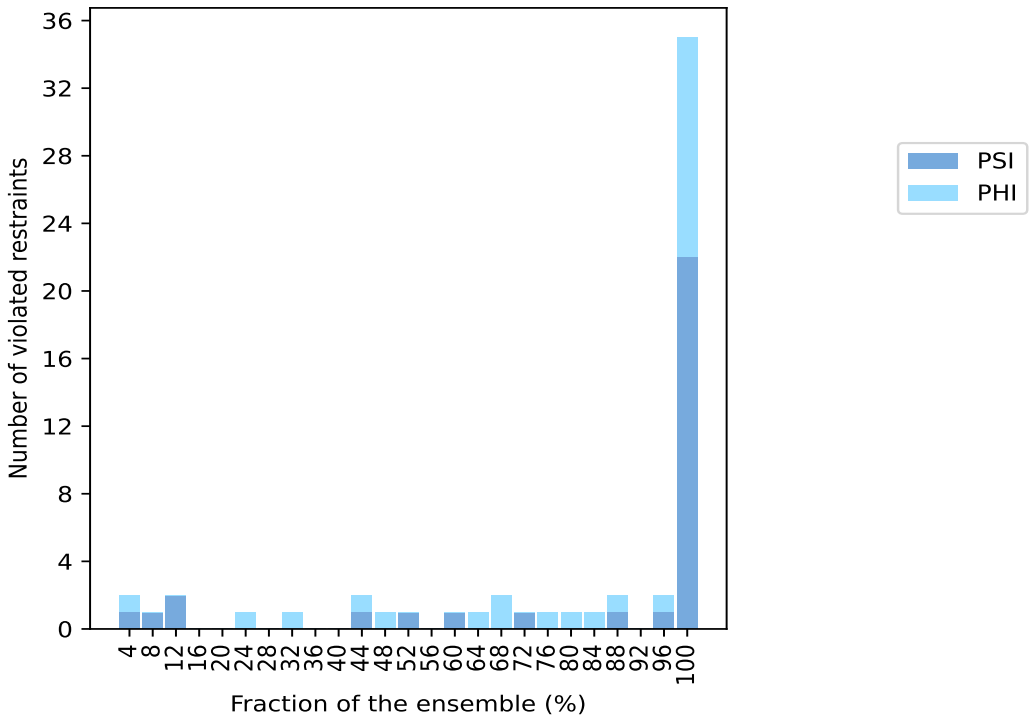
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
0	1	1	12	48.0
1	0	1	13	52.0
0	0	0	14	56.0
1	0	1	15	60.0
0	1	1	16	64.0
0	2	2	17	68.0
1	0	1	18	72.0
0	1	1	19	76.0
0	1	1	20	80.0
0	1	1	21	84.0
1	1	2	22	88.0
0	0	0	23	92.0
1	1	2	24	96.0
22	13	35	25	100.0

[1] Number of models with violations

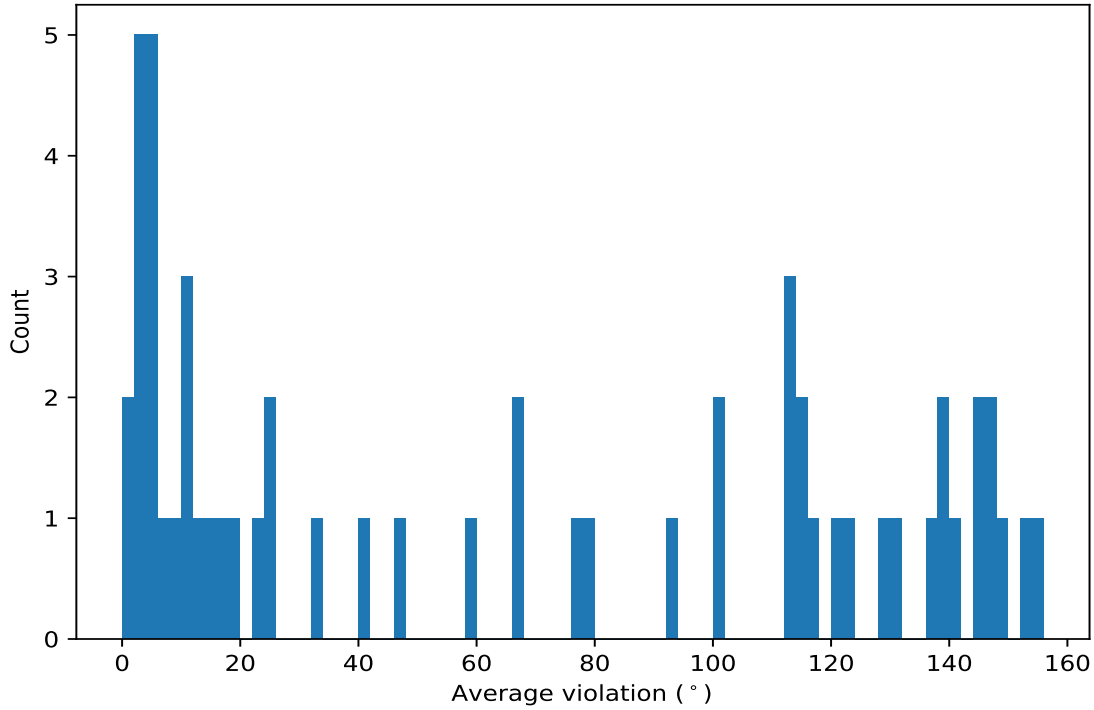
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble



10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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



10.4.2 Table: Most violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	25	155.63	1.24	155.63
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	25	152.6	1.59	152.65
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	25	149.6	8.47	152.89
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	25	147.44	2.58	147.07
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	25	147.22	21.69	155.11
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	25	145.17	3.89	146.28
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	25	144.98	3.08	145.53
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	25	141.85	0.97	141.83
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	25	139.4	3.68	140.18
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	25	138.87	3.84	138.39
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	25	137.77	4.3	138.49
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	25	131.91	16.19	133.9
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	25	128.54	4.12	130.28

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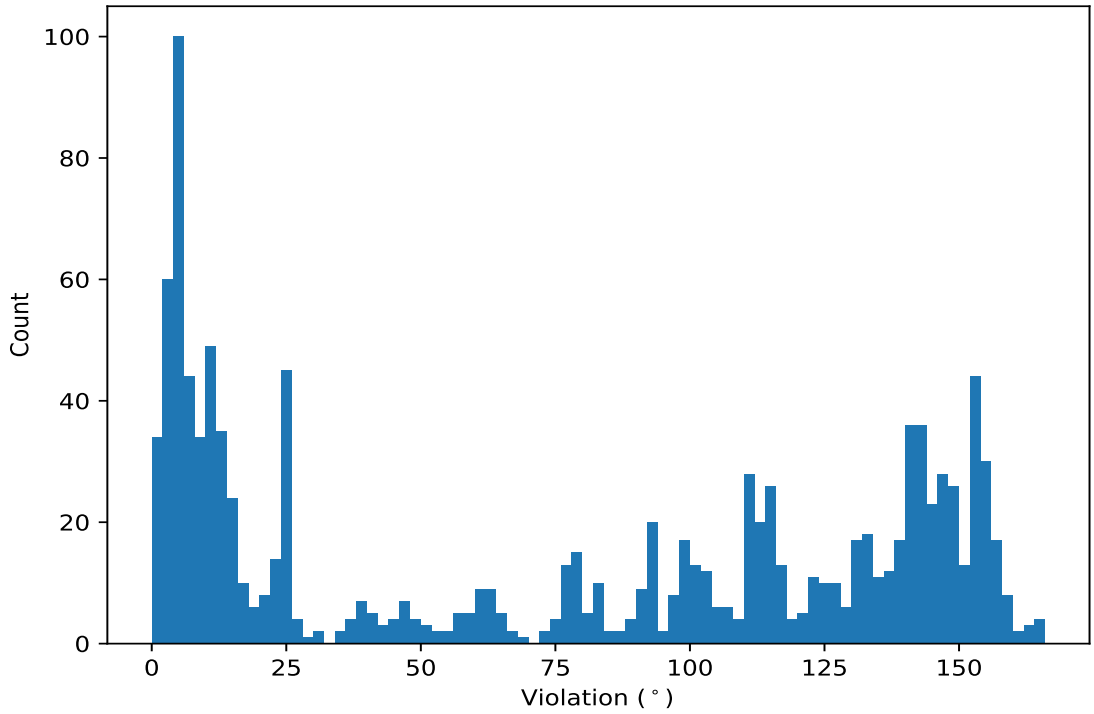
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	25	121.06	13.92	124.32
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	25	116.24	2.08	115.51
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	25	113.9	1.02	113.48
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	25	112.81	38.06	136.29
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	25	112.19	2.59	111.69
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	25	100.2	5.43	101.54
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	25	100.07	2.29	100.4
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	25	92.38	0.77	92.46
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	25	79.55	1.97	78.47
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	25	59.67	3.72	60.91
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	25	46.05	10.37	46.35
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	25	25.19	0.44	25.23
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	25	23.31	1.65	23.75
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	25	15.75	3.93	14.03
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	25	13.24	2.17	12.97
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	25	11.89	2.07	11.41
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	25	11.25	1.48	10.83
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	25	9.92	2.9	9.5
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	25	7.44	2.37	7.27
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	25	5.65	0.23	5.6
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	25	4.97	0.15	5.01
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	25	4.85	1.99	4.35
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	24	5.06	1.62	4.93
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	24	3.71	1.64	3.26
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	22	122.49	58.3	158.08
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	22	3.0	1.31	2.77
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	21	114.99	27.25	118.84
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	20	11.08	5.48	10.6
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	19	76.13	34.07	87.9
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	18	114.08	43.55	138.5
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	17	67.17	40.4	88.87
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	17	3.79	1.98	3.16
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	16	18.99	8.15	21.65
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	15	66.62	25.61	76.46
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	13	4.61	2.73	4.4
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	12	32.98	50.71	4.3
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	11	40.62	3.19	41.3
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	11	25.88	0.16	25.9
(1,20)	1:31:A:MET:C	1:32:A:ALA:N	1:32:A:ALA:CA	1:32:A:ALA:C	8	2.89	2.06	2.12
(1,4)	1:4:A:GLY:C	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	6	1.22	0.11	1.19
(1,68)	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	1:28:A:GLU:N	3	2.45	0.81	2.31
(1,98)	1:72:A:ALA:N	1:72:A:ALA:CA	1:72:A:ALA:C	1:73:A:ASP:N	3	1.9	0.24	1.83
(1,76)	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	1:45:A:GLY:N	2	17.34	0.08	17.34

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

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



10.5.2 Table: All violated dihedral-angle restraints (i)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	18	165.29
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	21	165.23
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	3	164.74
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	9	164.11
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	20	163.97
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	11	163.79
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	15	162.08
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	12	161.56
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	14	161.44
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	8	159.2
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	19	158.96
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	17	158.61
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	12	158.59
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	3	158.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	11	158.16
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	7	158.09
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	5	158.08
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	18	157.91
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	10	157.74
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	22	157.71
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	7	157.54
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	15	157.41
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	20	157.17
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	16	157.07
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	18	156.78
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	21	156.42
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	25	156.39
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	23	156.2
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	25	156.11
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	12	156.08
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	6	156.07
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	23	156.03
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	10	156.01
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	24	156.0
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	25	155.98
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	9	155.96
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	4	155.87
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	15	155.79
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	16	155.63
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	19	155.47
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	10	155.46
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	13	155.37
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	2	155.2
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	23	155.2
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	17	155.11
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	1	155.11
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	6	155.02
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	8	154.94
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	8	154.81
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	20	154.76
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	13	154.74
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	8	154.72
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	22	154.65
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	18	154.61
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	15	154.59
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	21	154.59
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	25	154.55
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	20	154.54
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	14	154.48
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	1	154.41
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	5	154.35
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	11	154.32
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	23	154.24
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	1	154.04
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	24	153.88

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	16	153.84
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	10	153.83
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	16	153.8
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	3	153.71
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	2	153.67
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	19	153.59
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	14	153.57
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	13	153.53
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	2	153.52
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	21	153.5
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	20	153.48
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	9	153.48
(1,91)	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1:66:A:LYS:N	9	153.41
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	9	153.4
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	18	153.29
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	15	153.1
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	19	153.0
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	21	152.95
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	14	152.93
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	22	152.92
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	17	152.91
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	3	152.9
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	5	152.89
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	7	152.88
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	6	152.87
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	12	152.81
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	24	152.79
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	4	152.77
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	10	152.77
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	8	152.72
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	11	152.66
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	15	152.65
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	18	152.5
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	16	152.47
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	2	152.36
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	23	152.36
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	11	152.29
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	20	152.27
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	22	152.24
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	17	152.19
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	7	152.13
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	9	152.06
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	8	152.01
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	12	151.94
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	24	151.78
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	6	151.74
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	6	151.72
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	14	151.66
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1	151.57
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	22	151.21
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	5	151.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	12	150.69
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	2	150.64
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	3	150.47
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	20	150.4
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	24	150.35
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	4	149.96
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	16	149.9
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	23	149.89
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	11	149.72
(1,14)	1:23:A:PRO:C	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	7	149.68
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1	149.65
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	9	149.57
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	6	149.51
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	2	149.36
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	22	149.21
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	17	149.06
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	24	149.06
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	8	148.82
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	13	148.67
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	15	148.58
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	15	148.58
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	17	148.55
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	18	148.48
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	14	148.46
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	8	148.3
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	17	148.22
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	15	148.12
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	21	148.11
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	22	148.08
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	12	148.07
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	22	148.06
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	25	147.99
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	17	147.77
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	22	147.7
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	20	147.61
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	23	147.55
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	15	147.14
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	23	147.11
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	19	147.1
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	20	147.09
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	18	147.07
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	21	146.98
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	11	146.92
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	17	146.85
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	13	146.78
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	3	146.7
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	18	146.65
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	3	146.6
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	23	146.5
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	1	146.48
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	10	146.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	21	146.38
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	9	146.3
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	12	146.3
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	14	146.28
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	19	146.24
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	16	146.08
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	19	146.04
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	25	146.03
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	10	145.95
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	12	145.82
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	11	145.8
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	8	145.69
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	13	145.67
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	18	145.55
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	3	145.54
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	1	145.53
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	10	145.24
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	8	145.14
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	20	144.99
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	6	144.81
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	6	144.74
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	14	144.7
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	10	144.69
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	9	144.4
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	5	144.32
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	22	144.26
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	3	144.19
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	13	144.1
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	24	144.07
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	5	144.05
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	19	144.03
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	14	143.87
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	2	143.84
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	21	143.81
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	20	143.7
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	4	143.57
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	7	143.46
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	19	143.35
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	4	143.13
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	7	143.12
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	15	143.07
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	2	143.0
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	22	142.89
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	16	142.85
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	15	142.82
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	9	142.8
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	5	142.75
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	10	142.7
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	7	142.69
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	21	142.66
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	3	142.64

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	1	142.62
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	13	142.6
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	13	142.59
(1,67)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:PRO:N	4	142.53
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	22	142.51
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	25	142.41
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	9	142.37
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	4	142.34
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	18	142.33
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	17	142.29
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	14	142.26
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	21	142.18
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	23	142.07
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	5	142.04
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	14	142.02
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	19	142.02
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	23	141.95
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	21	141.91
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	19	141.86
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	11	141.85
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	8	141.83
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	3	141.81
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	13	141.75
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	7	141.7
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	16	141.63
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	21	141.58
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	2	141.53
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	1	141.52
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	10	141.49
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	5	141.48
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	24	141.46
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	25	141.45
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	7	141.44
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	11	141.3
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	15	141.2
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	9	141.18
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	18	141.11
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	8	141.01
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	6	140.88
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	12	140.81
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	4	140.8
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	11	140.79
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	22	140.72
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	25	140.65
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	14	140.6
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	9	140.57
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	2	140.4
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	20	140.26
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	22	140.18
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	10	140.12
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	23	140.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	24	140.04
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	8	139.93
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	6	139.87
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	5	139.79
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	25	139.37
(1,93)	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1:68:A:ALA:N	20	139.34
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	12	138.83
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	13	138.72
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	18	138.69
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	8	138.49
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	7	138.47
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	17	138.44
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	17	138.39
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	5	138.38
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	4	138.1
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	9	138.08
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	14	138.05
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	23	138.03
(1,79)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	24	137.94
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	25	137.5
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	21	137.46
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	9	137.31
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	2	137.24
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	1	137.11
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	24	136.99
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	1	136.93
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	3	136.74
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	23	136.66
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	19	136.29
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	13	136.28
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	10	135.6
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	11	135.52
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	4	135.37
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	4	135.19
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	12	135.05
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	2	134.66
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	1	134.58
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	25	134.51
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	7	134.23
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	5	134.11
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1	134.0
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	7	133.9
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	11	133.86
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	16	133.84
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	16	133.84
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	8	133.79
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	24	133.77
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	6	133.31
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	18	133.29
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	15	133.29
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	19	133.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1	132.91
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	8	132.68
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	9	132.49
(1,22)	1:36:A:ASN:C	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	10	132.47
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	18	132.45
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	24	132.39
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	17	132.32
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	6	132.28
(1,80)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LYS:N	15	131.98
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	10	131.75
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	6	131.65
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	22	131.64
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	20	131.57
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	6	131.56
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	1	131.49
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	25	131.42
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	13	131.39
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	20	131.31
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	3	131.27
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	17	131.26
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	17	131.12
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	3	130.81
(1,86)	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1:57:A:VAL:N	3	130.45
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	21	130.28
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	19	130.09
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	12	129.54
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	25	129.38
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	18	128.95
(1,73)	1:37:A:GLY:N	1:37:A:GLY:CA	1:37:A:GLY:C	1:38:A:PRO:N	10	128.81
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	4	128.67
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	2	128.31
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	5	127.23
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	24	127.15
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	11	126.85
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	2	126.83
(1,89)	1:59:A:THR:N	1:59:A:THR:CA	1:59:A:THR:C	1:60:A:ALA:N	1	126.81
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	4	126.41
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	6	126.31
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	10	126.27
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	5	126.1
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	5	126.07
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	5	125.68
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	23	125.68
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	7	125.33
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	2	125.16
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	1	124.8
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	11	124.8
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	14	124.53
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	4	124.51
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	13	124.32
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	20	124.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	17	123.94
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	3	123.84
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	25	123.7
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	3	123.55
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	15	123.47
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	20	123.38
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	14	123.37
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	6	122.67
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	17	122.32
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	7	122.13
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	1	122.08
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	16	121.43
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	18	120.98
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	18	120.58
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	22	120.4
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	13	120.07
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	9	119.93
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	2	119.63
(1,26)	1:44:A:SER:C	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	12	119.13
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	25	118.84
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	14	117.96
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	4	117.85
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	3	117.52
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	23	117.34
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	19	117.05
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	23	116.9
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	10	116.8
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	13	116.57
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	14	116.53
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	24	116.29
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	7	116.19
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	19	116.13
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	14	116.1
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	12	115.9
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	5	115.66
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	1	115.51
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	22	115.5
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	21	115.39
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	10	115.38
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	21	115.37
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	21	115.37
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	11	115.33
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	16	115.31
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	24	115.1
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	25	114.89
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	24	114.81
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	8	114.75
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	6	114.73
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	22	114.73
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	20	114.66
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	12	114.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	12	114.5
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	24	114.43
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	11	114.43
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	17	114.41
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	25	114.19
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	6	114.16
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	17	114.15
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	15	114.07
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	7	113.98
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	16	113.96
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	15	113.64
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1	113.48
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	19	113.48
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	16	113.43
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	13	113.37
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	23	113.37
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	18	113.26
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	8	113.16
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	12	113.12
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	4	113.07
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	3	113.06
(1,42)	1:66:A:LYS:C	1:67:A:SER:N	1:67:A:SER:CA	1:67:A:SER:C	20	113.04
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	25	113.03
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	9	112.76
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	2	112.28
(1,16)	1:25:A:ASN:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	5	112.28
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	10	112.02
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	18	112.0
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	8	111.99
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	7	111.93
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	19	111.93
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	19	111.87
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	11	111.85
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	18	111.84
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	24	111.84
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	14	111.83
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	21	111.83
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	13	111.81
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	25	111.8
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	6	111.7
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	4	111.69
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	12	111.69
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	17	111.67
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	23	111.66
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	5	111.62
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	16	111.55
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	9	111.54
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	3	111.53
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	15	111.4
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	13	111.32
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	2	111.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	12	111.26
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	22	111.19
(1,90)	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1:63:A:PHE:N	20	111.16
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	16	110.72
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	25	110.67
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	11	108.91
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1	108.86
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	21	108.11
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	7	108.07
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	8	107.75
(1,81)	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1:51:A:ALA:N	6	107.37
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	18	106.83
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	9	106.5
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	11	106.31
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	21	106.21
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	16	105.96
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	22	105.66
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	10	105.46
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	23	105.46
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	20	105.46
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	9	104.97
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	20	103.87
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	4	103.73
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	16	103.48
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	2	103.14
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	15	103.07
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	20	102.8
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	8	102.74
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	22	102.68
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	17	102.53
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	24	102.5
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	25	102.37
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	11	102.07
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	21	101.97
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	15	101.95
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	1	101.8
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	5	101.68
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	12	101.67
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	4	101.54
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	18	101.54
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	24	101.4
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	21	101.07
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	8	100.67
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	6	100.51
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	1	100.4
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	5	100.38
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	8	99.8
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	6	99.7
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	21	99.7
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	17	99.66
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	7	99.64

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	14	99.64
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	9	99.26
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	14	99.14
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	22	99.06
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	4	98.9
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	25	98.9
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	10	98.76
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	19	98.7
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	23	98.54
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	25	98.38
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	16	98.26
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	11	98.21
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	3	97.88
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	13	97.73
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	2	97.41
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	8	97.26
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	13	96.97
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	15	96.47
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	9	96.36
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	13	96.35
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	12	94.38
(1,92)	1:66:A:LYS:N	1:66:A:LYS:CA	1:66:A:LYS:C	1:67:A:SER:N	18	94.36
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	8	93.82
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	2	93.75
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	3	93.48
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	21	93.26
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	18	93.11
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	7	93.03
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	11	92.99
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	9	92.85
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	19	92.85
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	15	92.84
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	12	92.75
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	25	92.68
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	10	92.64
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	23	92.55
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	6	92.46
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	14	92.41
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	5	92.37
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	13	92.23
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	22	92.14
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	1	92.07
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	3	91.96
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	17	91.76
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	25	91.73
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	5	91.65
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	20	91.42
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	4	91.41
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	24	91.16
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	16	91.06
(1,66)	1:25:A:ASN:N	1:25:A:ASN:CA	1:25:A:ASN:C	1:26:A:SER:N	7	90.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	16	89.99
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	19	88.87
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	20	88.71
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	4	88.29
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	6	87.9
(1,78)	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1:47:A:VAL:N	13	87.71
(1,30)	1:49:A:LEU:C	1:50:A:LYS:N	1:50:A:LYS:CA	1:50:A:LYS:C	19	84.28
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	18	84.09
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	9	83.9
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	19	83.1
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	5	83.0
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	10	82.94
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	14	82.52
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	11	82.49
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	12	82.45
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	25	82.21
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	21	82.16
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	22	82.07
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	21	81.79
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	7	81.71
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	19	81.19
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	22	81.06
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	8	80.21
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	12	79.61
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	4	79.46
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	9	79.42
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	24	79.14
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	5	79.12
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	17	78.69
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	23	78.64
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	12	78.47
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	16	78.41
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	23	78.36
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	18	78.33
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	3	78.31
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	13	78.27
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	1	78.22
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	20	78.02
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	15	77.95
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	6	77.82
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	11	77.78
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	8	77.76
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	7	77.55
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	9	77.55
(1,88)	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	1:59:A:THR:N	16	77.37
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	2	77.06
(1,65)	1:24:A:ILE:N	1:24:A:ILE:CA	1:24:A:ILE:C	1:25:A:ASN:N	2	76.71
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	24	76.52
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	15	76.46
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	11	76.34
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	9	76.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	14	75.98
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	13	74.8
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	18	74.52
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	4	74.45
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	21	73.55
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	6	73.27
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	22	69.58
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	22	67.22
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	19	66.78
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	25	65.35
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	17	64.66
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	16	64.45
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	19	64.32
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	4	64.06
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	11	63.99
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	13	63.95
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	10	63.94
(1,77)	1:45:A:GLY:N	1:45:A:GLY:CA	1:45:A:GLY:C	1:46:A:ASP:N	5	63.61
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	7	63.24
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	16	62.69
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	5	62.34
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1	62.31
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	14	62.14
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	3	61.72
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	9	61.63
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	15	61.38
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	21	61.11
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	2	61.0
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	11	60.91
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	8	60.83
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	4	60.64
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	14	60.0
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	24	59.48
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	25	58.98
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	22	58.64
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	23	58.5
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	18	58.09
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	16	57.87
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	25	57.7
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	6	57.69
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	24	56.6
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	12	56.08
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	20	55.24
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	2	54.37
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	16	53.41
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	24	52.84
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	7	51.57
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	16	50.8
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	17	50.8
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	16	49.27
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	25	49.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	21	48.77
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	12	48.22
(1,29)	1:48:A:GLU:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	19	47.88
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	23	47.84
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1	47.79
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	9	46.91
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	3	46.35
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	23	46.24
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	10	46.23
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	13	45.43
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	9	45.42
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	8	44.45
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	5	44.38
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	22	43.35
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	5	42.37
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	20	42.18
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	14	41.67
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	19	41.48
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	21	41.3
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	15	41.26
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	20	41.04
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	15	39.99
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	2	39.78
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	13	39.42
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	23	39.21
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	7	38.66
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	13	38.33
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	22	38.01
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	18	37.9
(1,52)	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	1:3:A:MET:N	8	37.35
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	17	36.95
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	7	36.25
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	19	35.14
(1,37)	1:57:A:VAL:C	1:58:A:LEU:N	1:58:A:LEU:CA	1:58:A:LEU:C	8	34.86
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	5	30.14
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	16	30.05
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	25	28.56
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	9	26.33
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	9	26.14
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	14	26.05
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	15	26.05
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	23	25.99
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	20	25.95
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	13	25.9
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	17	25.89
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	20	25.83
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	23	25.83
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	21	25.82
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	25	25.81
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	22	25.78
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	19	25.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	7	25.69
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	18	25.64
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	21	25.64
(1,87)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:LEU:N	8	25.63
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	7	25.51
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	11	25.49
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	16	25.41
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	20	25.37
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	3	25.36
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	13	25.3
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	19	25.25
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	1	25.23
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	18	25.21
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	16	25.19
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	12	25.18
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	10	25.14
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	2	25.1
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	2	25.09
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	4	24.99
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	5	24.98
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	15	24.93
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	24	24.92
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	6	24.85
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	22	24.79
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	6	24.71
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	23	24.7
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	4	24.69
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	9	24.68
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	8	24.57
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	13	24.53
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	1	24.53
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	21	24.33
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	8	24.26
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	7	24.11
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	17	24.09
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	1	23.97
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	3	23.96
(1,55)	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	1:6:A:LYS:N	14	23.88
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	9	23.75
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	18	23.65
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	6	23.58
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	14	23.55
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	3	23.55
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	24	23.46
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	11	23.27
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	10	23.23
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	15	23.2
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	4	23.09
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	5	23.01
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	21	21.9
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	13	21.59

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	2	21.58
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	7	21.52
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	20	21.3
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	12	20.64
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	8	20.21
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	22	20.14
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	19	19.83
(1,64)	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1:15:A:GLY:N	25	19.54
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	21	19.11
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	16	18.87
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	19	18.63
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	25	18.24
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	10	17.99
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	8	17.93
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	7	17.7
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	3	17.51
(1,76)	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	1:45:A:GLY:N	12	17.42
(1,76)	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	1:45:A:GLY:N	17	17.26
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	17	17.02
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	19	16.78
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	17	16.76
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	17	16.22
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	17	15.77
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	9	15.73
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	10	15.67
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	15	15.62
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	25	15.42
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	11	15.42
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	23	15.32
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	23	15.08
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	13	15.05
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	9	14.93
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	11	14.8
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	10	14.78
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	12	14.62
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	25	14.61
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	5	14.52
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	24	14.35
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	25	14.31
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	22	14.23
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	12	14.18
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	15	14.15
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	16	14.06
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	15	14.03
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	1	14.01
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	20	14.01
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	18	13.96
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	25	13.95
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	10	13.93
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	24	13.92
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	19	13.87

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	14	13.85
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	22	13.74
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	1	13.67
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	17	13.6
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	2	13.57
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	20	13.51
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	24	13.49
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	1	13.46
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	4	13.44
(1,28)	1:47:A:VAL:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	6	13.32
(1,3)	1:3:A:MET:C	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	19	13.13
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	12	13.1
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	13	13.07
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	7	13.02
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	5	12.98
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	5	12.97
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	6	12.87
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	18	12.85
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	7	12.79
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	8	12.77
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	17	12.75
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	6	12.74
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	13	12.67
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	21	12.57
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	21	12.46
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	4	12.45
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	9	12.3
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	6	12.26
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	4	12.24
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	21	12.23
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	3	11.9
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	12	11.89
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1	11.78
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	18	11.66
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	15	11.6
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	20	11.58
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	19	11.49
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	22	11.42
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	16	11.41
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	7	11.38
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	10	11.37
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	3	11.26
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	23	11.24
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	18	11.16
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	18	11.12
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	24	11.06
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	24	11.05
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	20	11.05
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	3	11.04
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	23	11.01
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	11	10.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	16	10.95
(1,72)	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1:34:A:LEU:N	14	10.92
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	14	10.91
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	3	10.86
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	9	10.83
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	22	10.75
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	11	10.73
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	24	10.69
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	20	10.63
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	15	10.62
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	13	10.52
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	23	10.51
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	15	10.46
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	4	10.41
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	18	10.39
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	4	10.39
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	20	10.33
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	7	10.33
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	10	10.33
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	8	10.3
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	22	10.28
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	1	10.21
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	16	10.21
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	17	10.2
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	4	10.19
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	13	10.18
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	1	10.13
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	24	10.11
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	2	9.94
(1,85)	1:54:A:ALA:N	1:54:A:ALA:CA	1:54:A:ALA:C	1:55:A:GLY:N	2	9.89
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	14	9.8
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	6	9.7
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	5	9.7
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	2	9.64
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	8	9.58
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	22	9.57
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	5	9.57
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	19	9.55
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	15	9.5
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	9	9.5
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	24	9.5
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	2	9.48
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	7	9.47
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	5	9.4
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	12	9.36
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	10	9.3
(1,13)	1:13:A:ILE:C	1:14:A:ILE:N	1:14:A:ILE:CA	1:14:A:ILE:C	6	9.28
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	21	9.22
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	1	9.21
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	19	9.18
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	20	9.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	17	9.07
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	17	8.87
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	10	8.65
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	9	8.51
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	14	8.49
(1,2)	1:2:A:LYS:C	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	3	8.49
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	12	8.18
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	13	8.16
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	5	8.12
(1,102)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:ASN:N	8	8.11
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	4	8.05
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	11	7.96
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	3	7.93
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	13	7.88
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	5	7.82
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	23	7.79
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	6	7.77
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	8	7.67
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	19	7.66
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	7	7.65
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	9	7.65
(1,20)	1:31:A:MET:C	1:32:A:ALA:N	1:32:A:ALA:CA	1:32:A:ALA:C	8	7.44
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	3	7.43
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	10	7.4
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	18	7.31
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	13	7.27
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	11	7.15
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	24	7.15
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	11	7.1
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	25	6.96
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	18	6.92
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	9	6.91
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	21	6.87
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	13	6.8
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	3	6.79
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	4	6.79
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	18	6.78
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	10	6.71
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	2	6.66
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	17	6.63
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	12	6.53
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	16	6.51
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	15	6.46
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	12	6.43
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	24	6.42
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	14	6.41
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	2	6.34
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	18	6.3
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	21	6.27
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	9	6.09
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	17	6.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	25	6.06
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	1	6.06
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	15	6.0
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	8	6.0
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	22	5.96
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	15	5.95
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	23	5.95
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	3	5.92
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	20	5.9
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	3	5.89
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	15	5.87
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	16	5.85
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	23	5.84
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	8	5.8
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	21	5.78
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	22	5.78
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	23	5.77
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	19	5.76
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	11	5.75
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	4	5.75
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	9	5.74
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	14	5.72
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	16	5.7
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	11	5.61
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	10	5.6
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	25	5.6
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	11	5.59
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	2	5.59
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	5	5.57
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	1	5.54
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	19	5.54
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	12	5.53
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	23	5.52
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	7	5.48
(1,25)	1:43:A:LYS:C	1:44:A:SER:N	1:44:A:SER:CA	1:44:A:SER:C	19	5.46
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	17	5.46
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	7	5.43
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	3	5.4
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	18	5.39
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	13	5.39
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	24	5.37
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	20	5.36
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	18	5.35
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	22	5.29
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	23	5.24
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	20	5.23
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	14	5.19
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	20	5.18
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	24	5.16
(1,6)	1:6:A:LYS:C	1:7:A:GLU:N	1:7:A:GLU:CA	1:7:A:GLU:C	6	5.16
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	6	5.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	17	5.15
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	15	5.14
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	22	5.12
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	9	5.1
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	1	5.08
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	8	5.05
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	25	5.04
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	10	5.03
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	4	5.02
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	7	5.02
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	13	5.01
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	16	5.01
(1,20)	1:31:A:MET:C	1:32:A:ALA:N	1:32:A:ALA:CA	1:32:A:ALA:C	6	5.01
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	6	4.97
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	17	4.95
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	11	4.95
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	12	4.94
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	23	4.93
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	2	4.9
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	11	4.9
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	3	4.83
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	22	4.83
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	22	4.82
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	18	4.82
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	4	4.8
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	5	4.8
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	21	4.79
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	21	4.77
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	2	4.74
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	5	4.73
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	5	4.71
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	2	4.71
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	22	4.69
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	16	4.67
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	19	4.65
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	10	4.64
(1,40)	1:64:A:PRO:C	1:65:A:PHE:N	1:65:A:PHE:CA	1:65:A:PHE:C	19	4.63
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	6	4.62
(1,51)	1:75:A:ILE:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	16	4.6
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	11	4.59
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	12	4.44
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	7	4.4
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	7	4.35
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	14	4.31
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	21	4.3
(1,23)	1:39:A:ASP:C	1:40:A:THR:N	1:40:A:THR:CA	1:40:A:THR:C	4	4.24
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	21	4.19
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	5	4.19
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	1	4.17
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	25	4.11
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	16	4.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	8	4.04
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	24	4.0
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	11	3.95
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	2	3.93
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	13	3.93
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	15	3.88
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	13	3.79
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	19	3.78
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	6	3.74
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	7	3.72
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	22	3.7
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	16	3.57
(1,68)	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	1:28:A:GLU:N	16	3.5
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	16	3.43
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	1	3.41
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	8	3.34
(1,53)	1:3:A:MET:N	1:3:A:MET:CA	1:3:A:MET:C	1:4:A:GLY:N	1	3.32
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	10	3.31
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	15	3.25
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	12	3.2
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	1	3.16
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	13	3.15
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	17	3.07
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	15	3.07
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	8	3.04
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	4	2.96
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	20	2.93
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	23	2.91
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	12	2.9
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	14	2.83
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	17	2.83
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	21	2.83
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	20	2.73
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	6	2.72
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	21	2.72
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	25	2.71
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	25	2.65
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	15	2.57
(1,39)	1:61:A:ASP:C	1:62:A:ASP:N	1:62:A:ASP:CA	1:62:A:ASP:C	9	2.53
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	9	2.5
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	19	2.48
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	6	2.46
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	15	2.45
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	14	2.43
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	18	2.4
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	14	2.39
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	16	2.37
(1,68)	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	1:28:A:GLU:N	22	2.31
(1,20)	1:31:A:MET:C	1:32:A:ALA:N	1:32:A:ALA:CA	1:32:A:ALA:C	14	2.3
(1,20)	1:31:A:MET:C	1:32:A:ALA:N	1:32:A:ALA:CA	1:32:A:ALA:C	4	2.28
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	5	2.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	10	2.23
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	4	2.23
(1,98)	1:72:A:ALA:N	1:72:A:ALA:CA	1:72:A:ALA:C	1:73:A:ASP:N	25	2.22
(1,54)	1:4:A:GLY:N	1:4:A:GLY:CA	1:4:A:GLY:C	1:5:A:VAL:N	7	2.2
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	17	2.13
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	1	2.11
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	23	2.06
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	14	2.05
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	9	2.04
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	20	2.03
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	14	2.0
(1,20)	1:31:A:MET:C	1:32:A:ALA:N	1:32:A:ALA:CA	1:32:A:ALA:C	5	1.96
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	12	1.96
(1,1)	1:1:A:MET:C	1:2:A:LYS:N	1:2:A:LYS:CA	1:2:A:LYS:C	2	1.96
(1,20)	1:31:A:MET:C	1:32:A:ALA:N	1:32:A:ALA:CA	1:32:A:ALA:C	23	1.95
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	19	1.94
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	25	1.91
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	21	1.89
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	7	1.86
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	3	1.84
(1,98)	1:72:A:ALA:N	1:72:A:ALA:CA	1:72:A:ALA:C	1:73:A:ASP:N	22	1.83
(1,98)	1:72:A:ALA:N	1:72:A:ALA:CA	1:72:A:ALA:C	1:73:A:ASP:N	17	1.64
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	19	1.61
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	3	1.59
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	23	1.57
(1,68)	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	1:28:A:GLU:N	24	1.53
(1,21)	1:32:A:ALA:C	1:33:A:ALA:N	1:33:A:ALA:CA	1:33:A:ALA:C	22	1.52
(1,83)	1:52:A:SER:N	1:52:A:SER:CA	1:52:A:SER:C	1:53:A:ASP:N	2	1.5
(1,60)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:GLY:N	1	1.47
(1,94)	1:68:A:ALA:N	1:68:A:ALA:CA	1:68:A:ALA:C	1:69:A:GLU:N	4	1.45
(1,27)	1:45:A:GLY:C	1:46:A:ASP:N	1:46:A:ASP:CA	1:46:A:ASP:C	9	1.44
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	10	1.41
(1,4)	1:4:A:GLY:C	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	20	1.4
(1,4)	1:4:A:GLY:C	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	19	1.32
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	11	1.31
(1,63)	1:13:A:ILE:N	1:13:A:ILE:CA	1:13:A:ILE:C	1:14:A:ILE:N	22	1.25
(1,4)	1:4:A:GLY:C	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	5	1.22
(1,4)	1:4:A:GLY:C	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	18	1.16
(1,4)	1:4:A:GLY:C	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	16	1.14
(1,20)	1:31:A:MET:C	1:32:A:ALA:N	1:32:A:ALA:CA	1:32:A:ALA:C	7	1.12
(1,17)	1:26:A:SER:C	1:27:A:PRO:N	1:27:A:PRO:CA	1:27:A:PRO:C	3	1.1
(1,4)	1:4:A:GLY:C	1:5:A:VAL:N	1:5:A:VAL:CA	1:5:A:VAL:C	12	1.1
(1,20)	1:31:A:MET:C	1:32:A:ALA:N	1:32:A:ALA:CA	1:32:A:ALA:C	24	1.08
(1,36)	1:56:A:GLN:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	9	1.07
(1,35)	1:55:A:GLY:C	1:56:A:GLN:N	1:56:A:GLN:CA	1:56:A:GLN:C	24	1.07