Full wwPDB NMR Structure Validation Report (i)

Apr 15, 2026 – 10:40 AM UTC

PDB ID	:	5A4G / pdb_00005a4g
BMRB ID	:	25658
Title	:	NMR structure of a 180 residue construct encompassing the N-terminal metal-binding site and the membrane proximal domain of SilB from Cupriavidus metallidurans CH34
Authors	:	Bersch, B.; Urbina Fernandez, P.; Vandenbussche, G.
Deposited on	:	2015-06-09

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

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

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

The following versions of software and data (see references (1)) were used in the production of this report:

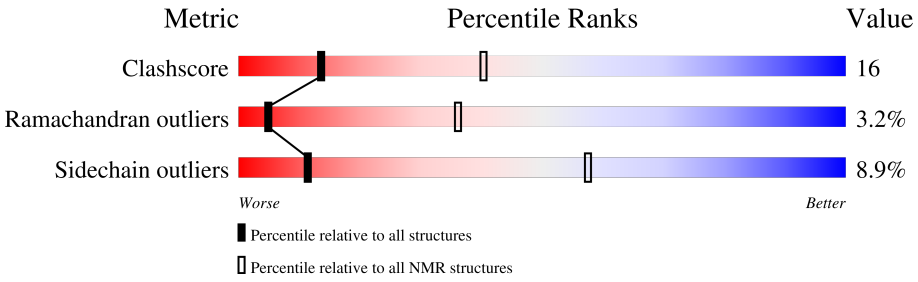
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 82%.

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	180	44% 19% • 36%

2 Ensemble composition and analysis

This entry contains 20 models. Model 2 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative.

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:25-A:59 (35)	0.44	14
2	A:80-A:87, A:93-A:149 (65)	0.63	2
3	A:152-A:166 (15)	2.64	3

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

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

The models can be grouped into 4 clusters. No single-model clusters were found.

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

3 Entry composition (i)

There are 2 unique types of molecules in this entry. The entry contains 2684 atoms, of which 1347 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	180	2683	829	1347	240	261	6	0

There are 9 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	MET	-	expression tag	UNP Q58AF3
A	175	LEU	-	expression tag	UNP Q58AF3
A	176	GLU	-	expression tag	UNP Q58AF3
A	177	VAL	-	expression tag	UNP Q58AF3
A	178	LEU	-	expression tag	UNP Q58AF3
A	179	PHE	-	expression tag	UNP Q58AF3
A	180	GLN	-	expression tag	UNP Q58AF3
A	90	GLY	-	linker	UNP Q58AF3
A	91	SER	-	linker	UNP Q58AF3

- Molecule 2 is SILVER ION (CCD ID: AG) (formula: Ag).

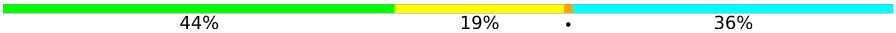
Mol	Chain	Residues	Atoms	
			Total	Ag
2	A	1	1	1

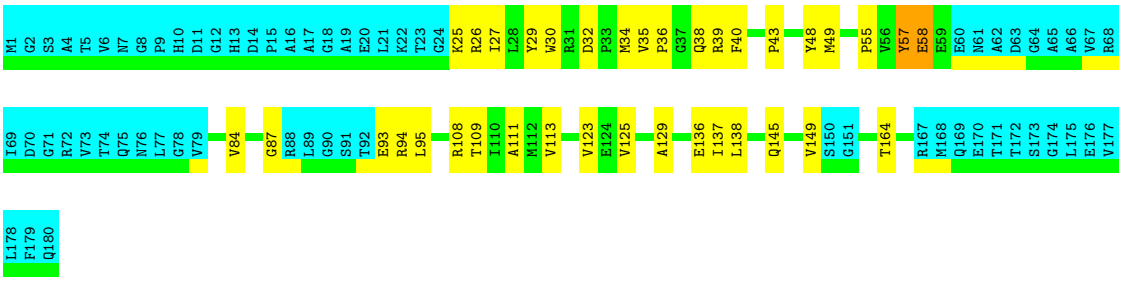
4 Residue-property plots

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: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

Chain A: 

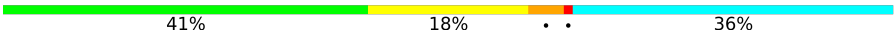


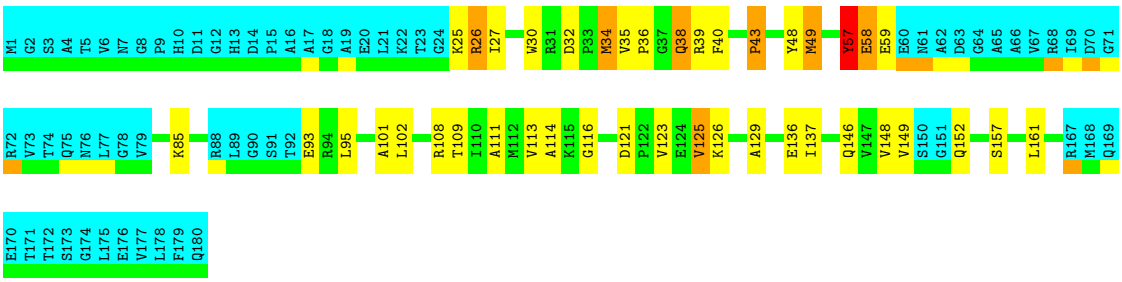
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

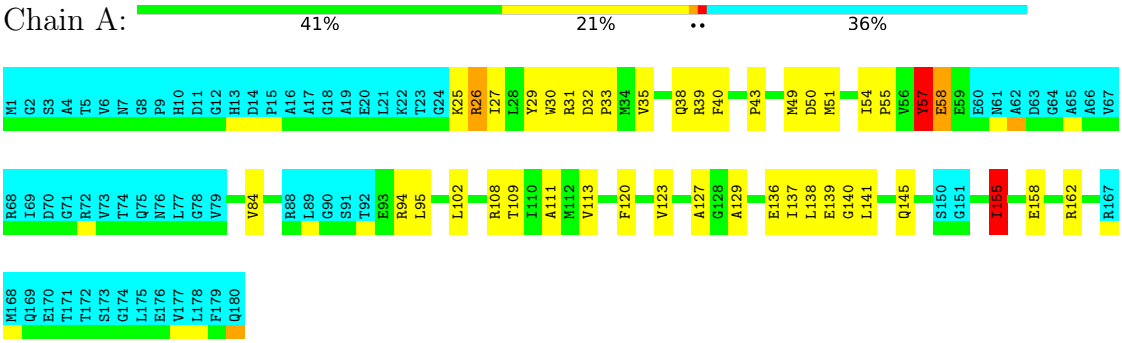
Chain A: 



4.2.2 Score per residue for model 2 (medoid)

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

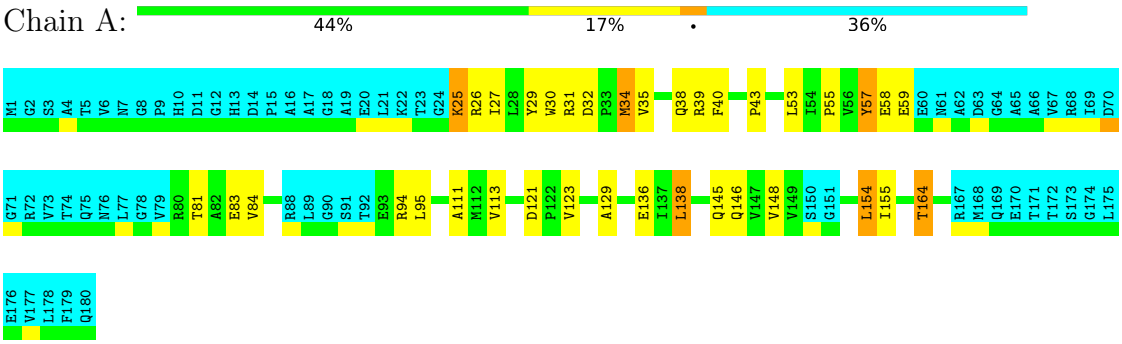
Chain A:



4.2.3 Score per residue for model 3

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

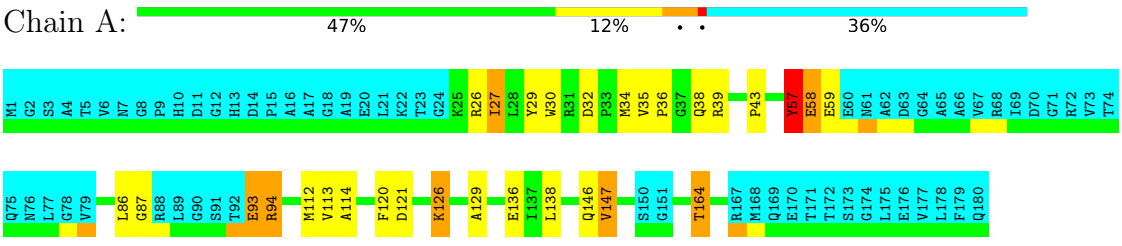
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

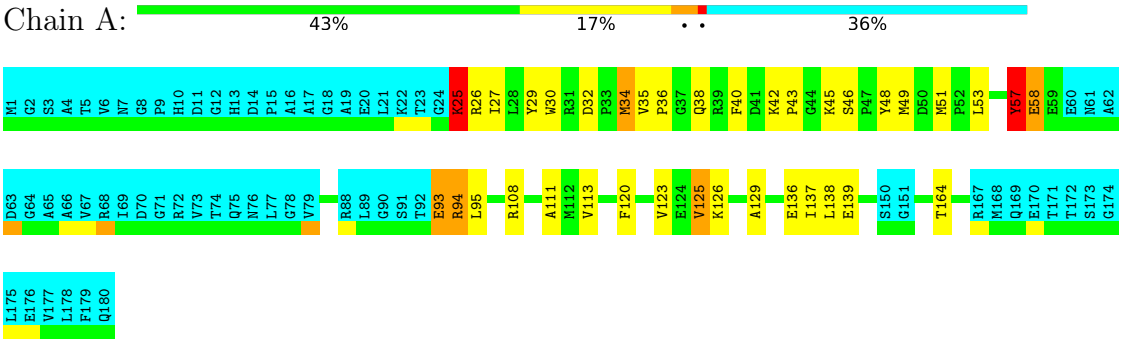
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

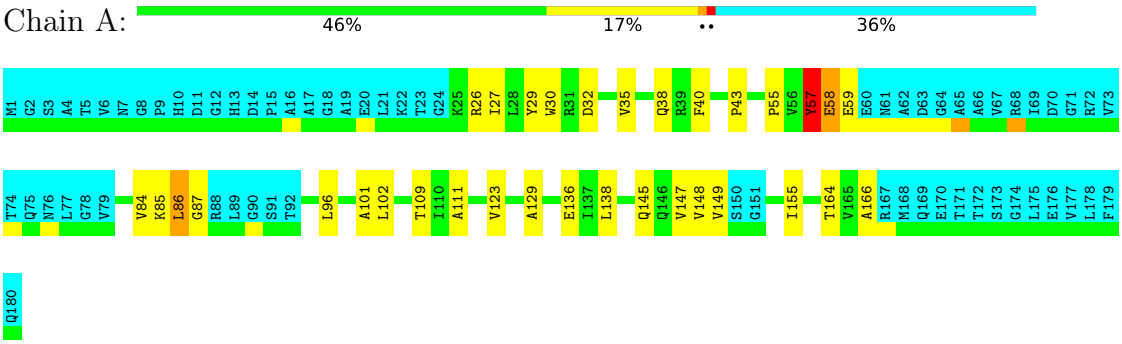
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

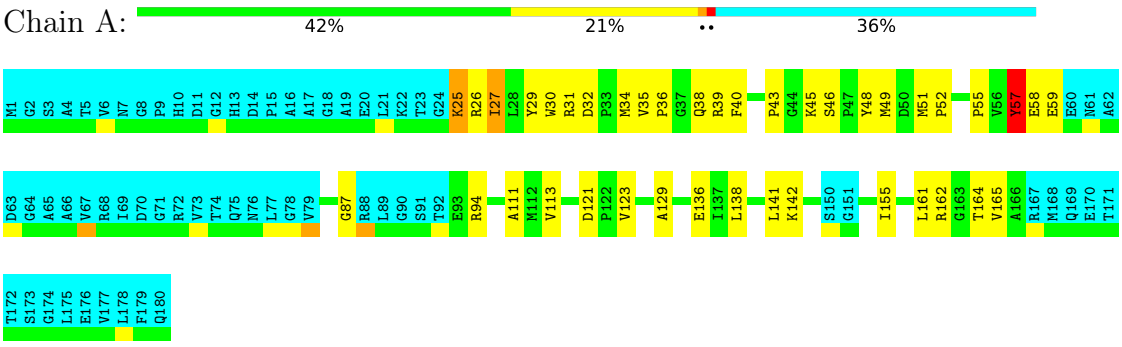
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

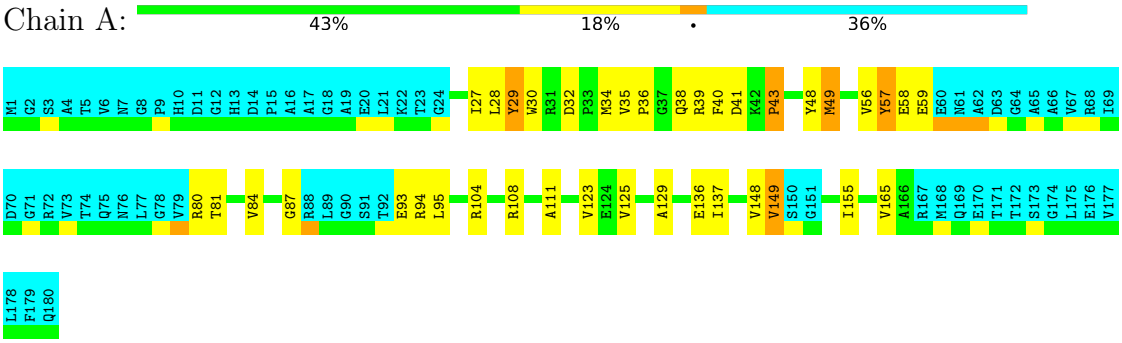
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

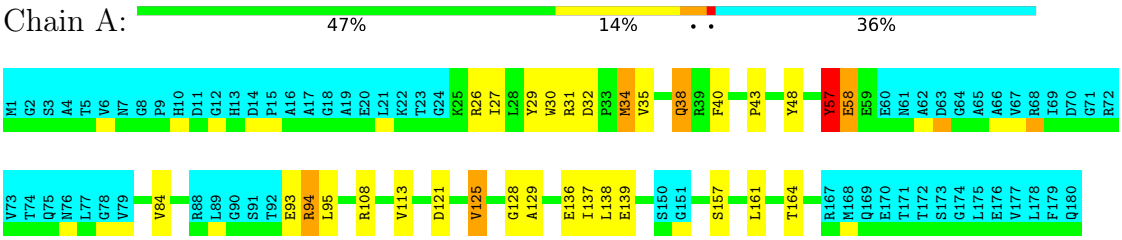
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

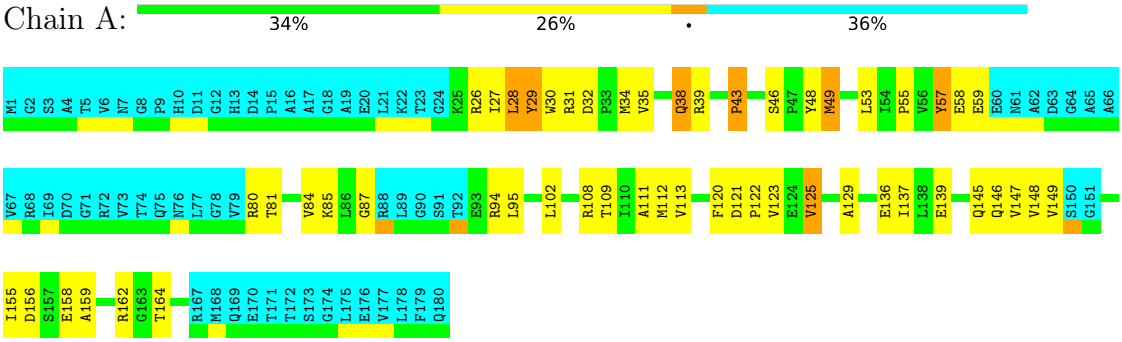
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

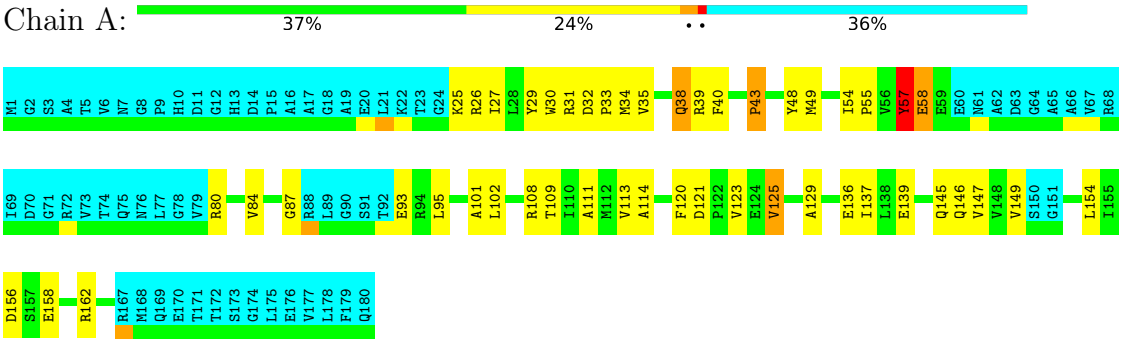
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

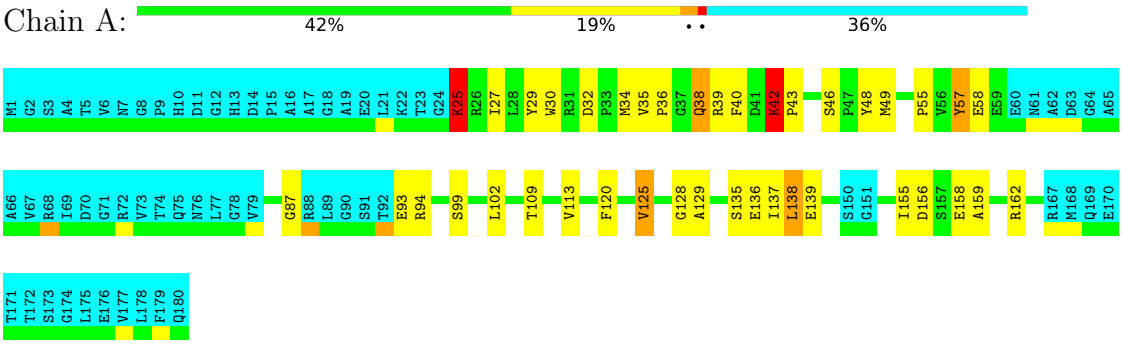
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

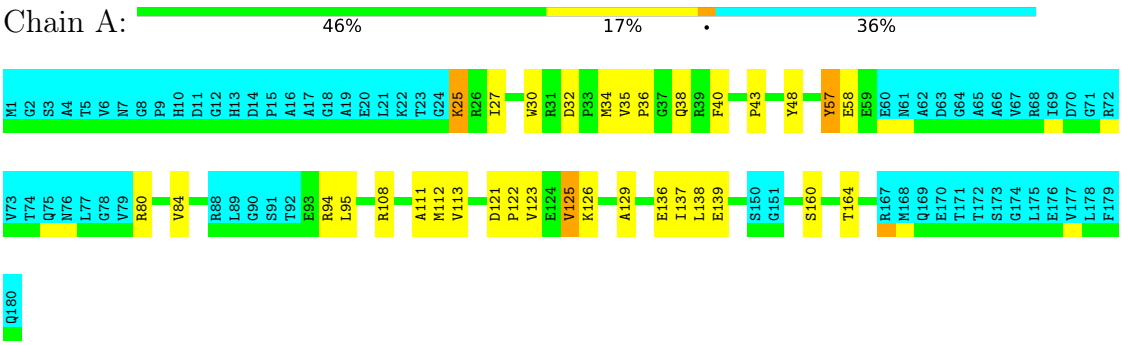
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

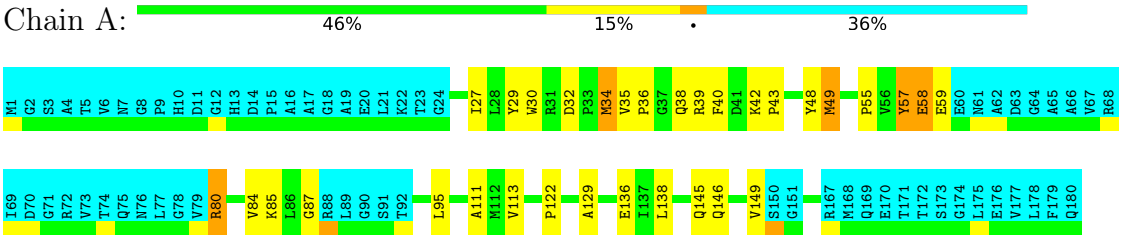
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

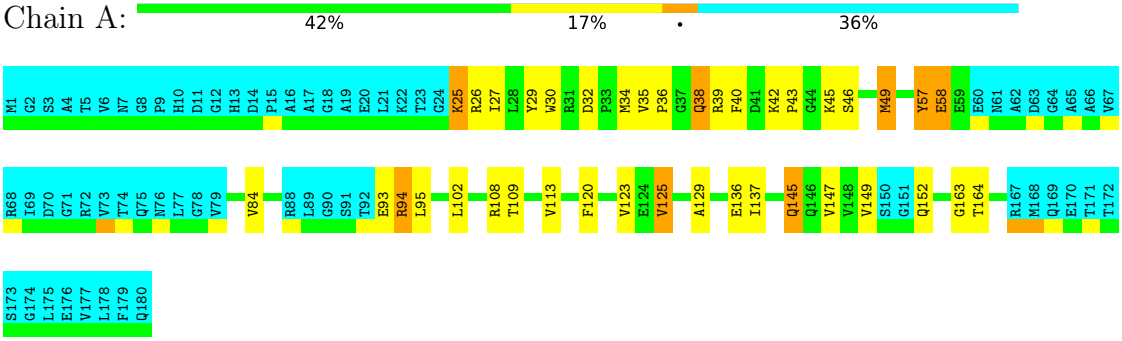
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

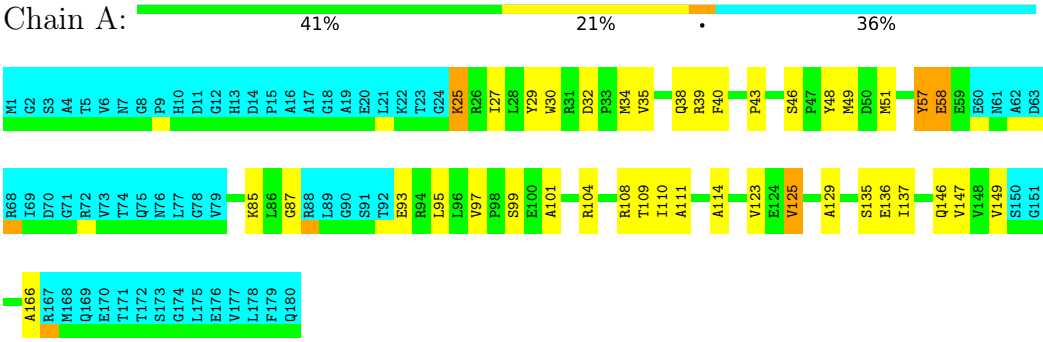
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

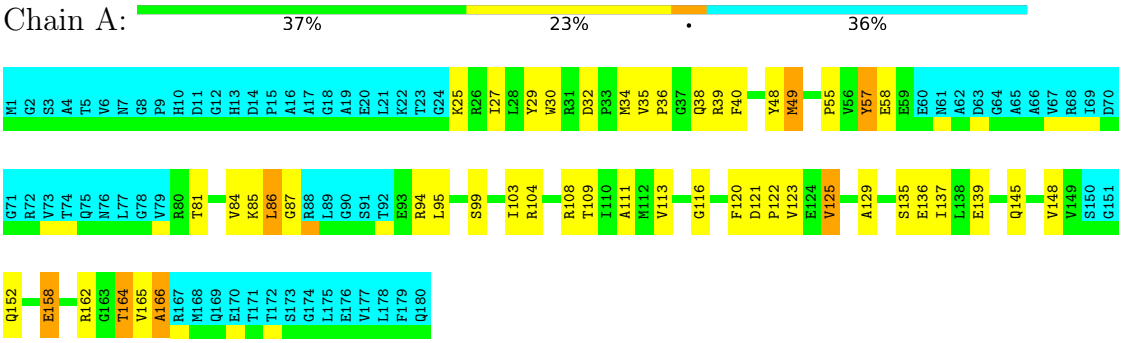
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

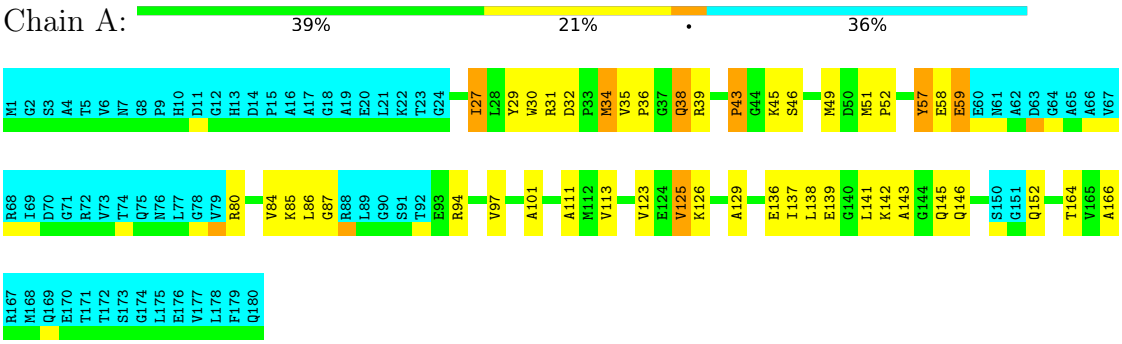
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

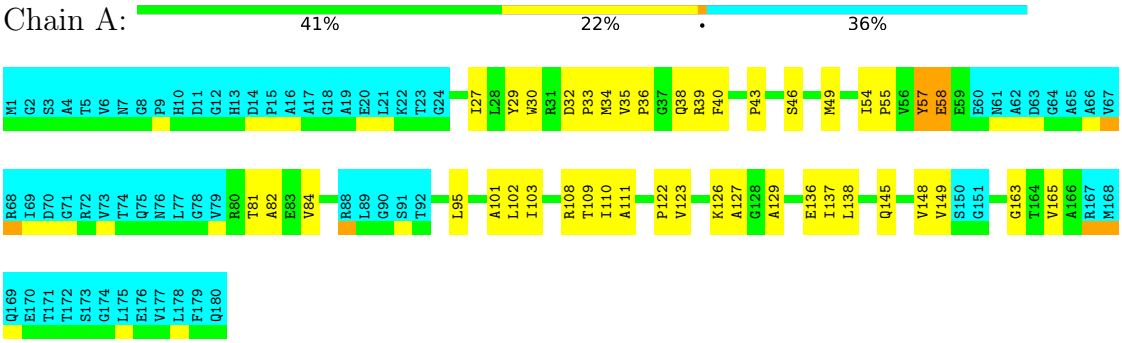
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

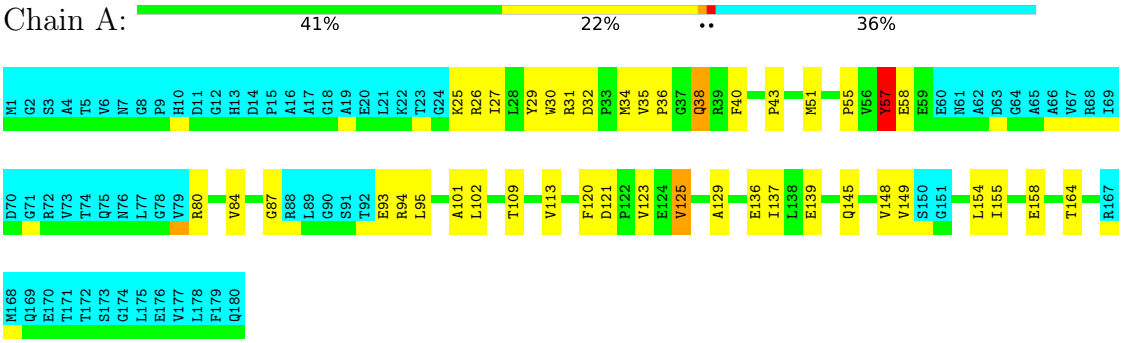
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: SILB, SILVER EFFLUX PROTEIN, MFP COMPONENT OF THE THREE COMPONENTS PROTON ANTIPORTER METAL EFFLUX SYSTEM

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 1000 calculated structures, 20 were deposited, based on the following criterion: *TOTAL ENERGY*.

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

Software name	Classification	Version
CNS	refinement	
CNS	structure solution	1.1
NMRDraw	structure solution	ANY
NMRPipe	structure solution	ANY
CcpNmr Analysis	structure solution	2.3
CcpNmr Analysis	structure solution	2.4
NMRView	structure solution	ANY
CYANA	structure solution	ANY

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	1807
Number of shifts mapped to atoms	1807
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	82%

6 Model quality

6.1 Standard geometry

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

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.53±0.02	0±0/890 (0.0± 0.0%)	0.81±0.03	0±1/1203 (0.0± 0.1%)
All	All	0.53	0/17800 (0.0%)	0.81	5/24060 (0.0%)

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	155	ILE	N-CA-C	-5.47	107.40	112.43	8	1
1	A	42	LYS	CA-C-N	5.39	125.40	119.90	12	2
1	A	42	LYS	C-N-CA	5.39	125.40	119.90	12	2

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	874	900	900	28±4
All	All	17500	18000	18000	569

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 16.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:32:ASP:HB3	1:A:34:MET:SD	0.91	2.06	19	1
1:A:129:ALA:HB3	1:A:136:GLU:HB2	0.91	1.42	13	18
1:A:84:VAL:HG23	1:A:143:ALA:HA	0.88	1.42	18	1
1:A:48:TYR:HB2	1:A:49:MET:HE2	0.81	1.50	8	5
1:A:32:ASP:HB3	1:A:35:VAL:HG22	0.80	1.53	10	16
1:A:27:ILE:HG12	1:A:58:GLU:OE2	0.76	1.80	10	11
1:A:28:LEU:HD13	1:A:29:TYR:CD1	0.76	2.16	8	1
1:A:84:VAL:HG11	1:A:95:LEU:HD12	0.72	1.61	9	1
1:A:30:TRP:CE3	1:A:43:PRO:HD3	0.68	2.24	4	19
1:A:125:VAL:HG21	1:A:137:ILE:HD12	0.68	1.66	5	12
1:A:39:ARG:NH1	1:A:41:ASP:HA	0.67	2.05	8	1
1:A:32:ASP:CB	1:A:35:VAL:HG22	0.66	2.20	3	10
1:A:27:ILE:HG21	1:A:30:TRP:CZ3	0.66	2.26	10	10
1:A:86:LEU:HD23	1:A:86:LEU:H	0.65	1.50	6	1
1:A:125:VAL:HG23	1:A:139:GLU:O	0.65	1.91	18	9
1:A:32:ASP:HB2	1:A:35:VAL:HG22	0.65	1.68	19	5
1:A:29:TYR:HB2	1:A:40:PHE:O	0.65	1.92	5	11
1:A:58:GLU:HG3	1:A:59:GLU:N	0.65	2.07	4	4
1:A:32:ASP:HB3	1:A:34:MET:CE	0.65	2.21	3	1
1:A:30:TRP:CE2	1:A:55:PRO:HB3	0.63	2.29	3	10
1:A:27:ILE:HG12	1:A:58:GLU:CD	0.63	2.19	11	3
1:A:29:TYR:CE2	1:A:39:ARG:HA	0.63	2.29	8	6
1:A:94:ARG:HG3	1:A:137:ILE:O	0.62	1.95	9	2
1:A:35:VAL:HG11	1:A:48:TYR:CD2	0.62	2.29	9	7
1:A:38:GLN:HG3	1:A:40:PHE:CE2	0.62	2.30	15	8
1:A:86:LEU:HB3	1:A:93:GLU:OE2	0.61	1.96	4	1
1:A:28:LEU:HD13	1:A:29:TYR:CE1	0.60	2.31	8	1
1:A:129:ALA:HB3	1:A:136:GLU:CB	0.60	2.26	4	16
1:A:158:GLU:O	1:A:162:ARG:HG2	0.60	1.97	17	3
1:A:142:LYS:O	1:A:145:GLN:HG2	0.59	1.96	18	1
1:A:25:LYS:HA	1:A:57:TYR:CD1	0.59	2.33	15	2
1:A:114:ALA:HB3	1:A:146:GLN:HB2	0.57	1.76	16	4
1:A:34:MET:C	1:A:36:PRO:HD3	0.57	2.24	20	3
1:A:80:ARG:O	1:A:148:VAL:HA	0.57	1.99	10	1
1:A:30:TRP:CZ3	1:A:43:PRO:HD3	0.56	2.35	7	9
1:A:157:SER:O	1:A:161:LEU:HG	0.56	2.01	1	2
1:A:25:LYS:O	1:A:58:GLU:HB3	0.56	2.00	12	6
1:A:28:LEU:HD11	1:A:56:VAL:HG11	0.56	1.78	8	1
1:A:28:LEU:HD12	1:A:29:TYR:N	0.56	2.15	8	1
1:A:111:ALA:HB3	1:A:123:VAL:CG1	0.56	2.31	3	8
1:A:49:MET:N	1:A:49:MET:SD	0.55	2.79	2	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:32:ASP:HB3	1:A:35:VAL:CG2	0.55	2.32	6	6
1:A:32:ASP:HB2	1:A:35:VAL:CG2	0.55	2.31	3	2
1:A:84:VAL:HG23	1:A:145:GLN:O	0.55	2.02	17	10
1:A:27:ILE:HG12	1:A:58:GLU:CG	0.54	2.32	6	7
1:A:35:VAL:N	1:A:36:PRO:HD3	0.54	2.17	5	3
1:A:125:VAL:CG2	1:A:137:ILE:HD12	0.54	2.33	9	11
1:A:84:VAL:HG23	1:A:143:ALA:CA	0.53	2.25	18	1
1:A:80:ARG:O	1:A:149:VAL:HG22	0.53	2.02	8	1
1:A:29:TYR:CE2	1:A:39:ARG:HD3	0.53	2.38	18	2
1:A:94:ARG:HG3	1:A:136:GLU:OE1	0.53	2.03	10	1
1:A:101:ALA:HB2	1:A:149:VAL:HG12	0.53	1.81	6	3
1:A:112:MET:O	1:A:147:VAL:HA	0.53	2.04	4	2
1:A:84:VAL:HG11	1:A:95:LEU:HD23	0.52	1.79	8	3
1:A:127:ALA:HB2	1:A:137:ILE:HD13	0.52	1.82	19	2
1:A:111:ALA:O	1:A:122:PRO:HA	0.52	2.05	14	5
1:A:95:LEU:HD23	1:A:95:LEU:H	0.52	1.64	9	1
1:A:104:ARG:HD2	1:A:104:ARG:O	0.52	2.04	17	1
1:A:55:PRO:O	1:A:59:GLU:HG2	0.52	2.05	6	1
1:A:123:VAL:HG13	1:A:125:VAL:HG13	0.52	1.81	8	1
1:A:34:MET:N	1:A:34:MET:SD	0.52	2.83	18	1
1:A:25:LYS:O	1:A:25:LYS:HG2	0.52	2.05	12	6
1:A:34:MET:SD	1:A:34:MET:N	0.52	2.83	19	1
1:A:97:VAL:CG2	1:A:101:ALA:HB3	0.51	2.35	18	2
1:A:94:ARG:CG	1:A:138:LEU:HA	0.51	2.35	4	1
1:A:27:ILE:HG12	1:A:58:GLU:HG2	0.51	1.82	6	9
1:A:38:GLN:HG3	1:A:40:PHE:CE1	0.51	2.40	6	5
1:A:29:TYR:CE2	1:A:39:ARG:HG3	0.50	2.41	3	1
1:A:86:LEU:CD1	1:A:86:LEU:H	0.50	2.19	17	1
1:A:30:TRP:CE2	1:A:43:PRO:HB3	0.50	2.42	12	3
1:A:26:ARG:HA	1:A:58:GLU:OE1	0.50	2.07	5	2
1:A:35:VAL:HG23	1:A:35:VAL:O	0.50	2.06	2	12
1:A:147:VAL:O	1:A:149:VAL:HG13	0.50	2.07	6	2
1:A:30:TRP:O	1:A:40:PHE:HB2	0.50	2.07	12	4
1:A:139:GLU:HG2	1:A:140:GLY:N	0.50	2.21	2	1
1:A:84:VAL:CG1	1:A:95:LEU:HB2	0.49	2.37	9	1
1:A:158:GLU:O	1:A:162:ARG:HG3	0.49	2.07	11	2
1:A:29:TYR:CE2	1:A:39:ARG:HG2	0.49	2.42	14	2
1:A:31:ARG:HB2	1:A:38:GLN:HE22	0.49	1.68	9	4
1:A:26:ARG:O	1:A:57:TYR:HE1	0.49	1.90	20	5
1:A:27:ILE:CD1	1:A:58:GLU:HG2	0.49	2.38	7	1
1:A:113:VAL:HG12	1:A:121:ASP:O	0.48	2.08	20	8

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:84:VAL:CG1	1:A:95:LEU:HD12	0.48	2.36	9	1
1:A:46:SER:HB3	1:A:49:MET:O	0.48	2.08	16	7
1:A:154:LEU:H	1:A:154:LEU:HD12	0.48	1.68	16	1
1:A:165:VAL:HG13	1:A:166:ALA:H	0.48	1.68	17	1
1:A:86:LEU:HA	1:A:94:ARG:O	0.48	2.08	18	1
1:A:27:ILE:HG12	1:A:58:GLU:OE1	0.48	2.09	9	1
1:A:102:LEU:HB2	1:A:109:THR:CG2	0.48	2.39	2	9
1:A:32:ASP:OD1	1:A:53:LEU:HA	0.48	2.09	3	1
1:A:155:ILE:C	1:A:159:ALA:HB2	0.48	2.34	10	1
1:A:84:VAL:HG13	1:A:95:LEU:HB3	0.47	1.85	11	6
1:A:32:ASP:OD1	1:A:46:SER:HB2	0.47	2.08	5	1
1:A:94:ARG:HD3	1:A:138:LEU:HA	0.47	1.86	18	2
1:A:95:LEU:N	1:A:95:LEU:HD12	0.47	2.24	8	2
1:A:25:LYS:O	1:A:58:GLU:HB2	0.47	2.09	15	1
1:A:30:TRP:NE1	1:A:55:PRO:HB3	0.47	2.25	7	1
1:A:35:VAL:N	1:A:36:PRO:CD	0.47	2.78	4	10
1:A:113:VAL:O	1:A:120:PHE:HA	0.47	2.09	11	8
1:A:95:LEU:H	1:A:95:LEU:HD22	0.47	1.69	17	1
1:A:26:ARG:HA	1:A:58:GLU:CB	0.47	2.40	4	1
1:A:25:LYS:N	1:A:25:LYS:HD3	0.47	2.24	2	1
1:A:31:ARG:HA	1:A:40:PHE:CD1	0.47	2.44	2	1
1:A:94:ARG:HD2	1:A:138:LEU:HA	0.47	1.87	12	2
1:A:160:SER:O	1:A:164:THR:HA	0.47	2.10	13	1
1:A:26:ARG:O	1:A:26:ARG:HD3	0.47	2.10	2	1
1:A:94:ARG:HE	1:A:94:ARG:HA	0.47	1.70	18	1
1:A:26:ARG:HD3	1:A:58:GLU:OE1	0.46	2.10	10	1
1:A:33:PRO:CG	1:A:54:ILE:HD12	0.46	2.40	11	1
1:A:32:ASP:OD1	1:A:33:PRO:HD2	0.46	2.10	2	1
1:A:81:THR:HG22	1:A:148:VAL:HA	0.46	1.88	8	4
1:A:113:VAL:HA	1:A:146:GLN:O	0.46	2.10	14	3
1:A:28:LEU:O	1:A:29:TYR:HB3	0.46	2.09	10	2
1:A:101:ALA:HA	1:A:148:VAL:O	0.46	2.10	6	4
1:A:30:TRP:CZ2	1:A:55:PRO:HB3	0.46	2.46	19	1
1:A:46:SER:OG	1:A:49:MET:HG3	0.46	2.10	15	1
1:A:31:ARG:HB2	1:A:38:GLN:OE1	0.46	2.11	18	1
1:A:111:ALA:HB3	1:A:123:VAL:HG12	0.45	1.88	17	11
1:A:94:ARG:CD	1:A:138:LEU:HA	0.45	2.41	5	1
1:A:161:LEU:HD12	1:A:162:ARG:N	0.45	2.25	7	1
1:A:32:ASP:OD1	1:A:34:MET:HB2	0.45	2.11	9	1
1:A:46:SER:CB	1:A:49:MET:HG3	0.45	2.42	15	1
1:A:38:GLN:HG2	1:A:39:ARG:N	0.45	2.26	15	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:38:GLN:CG	1:A:40:PHE:CE2	0.45	3.00	14	1
1:A:26:ARG:O	1:A:57:TYR:HE2	0.45	1.94	2	4
1:A:80:ARG:NH1	1:A:156:ASP:HB3	0.45	2.27	11	1
1:A:110:ILE:N	1:A:110:ILE:HD12	0.45	2.26	19	1
1:A:29:TYR:CD2	1:A:39:ARG:HG3	0.45	2.47	2	3
1:A:33:PRO:HD3	1:A:54:ILE:CG1	0.45	2.41	19	2
1:A:161:LEU:HD12	1:A:161:LEU:C	0.45	2.37	7	1
1:A:95:LEU:HB2	1:A:137:ILE:HB	0.44	1.89	8	10
1:A:154:LEU:H	1:A:154:LEU:HD13	0.44	1.72	3	1
1:A:95:LEU:HD22	1:A:95:LEU:N	0.44	2.28	17	2
1:A:38:GLN:CD	1:A:38:GLN:C	0.44	2.85	11	1
1:A:112:MET:SD	1:A:122:PRO:HB3	0.44	2.53	13	1
1:A:104:ARG:HA	1:A:108:ARG:O	0.44	2.12	16	1
1:A:55:PRO:HG2	1:A:59:GLU:HG3	0.44	1.89	3	1
1:A:126:LYS:HD2	1:A:138:LEU:HD12	0.43	1.90	4	1
1:A:87:GLY:N	1:A:96:LEU:HD23	0.43	2.28	6	1
1:A:35:VAL:HG23	1:A:38:GLN:HB3	0.43	1.90	16	1
1:A:104:ARG:HB3	1:A:109:THR:OG1	0.43	2.13	17	1
1:A:49:MET:HG2	1:A:50:ASP:H	0.43	1.73	2	1
1:A:57:TYR:O	1:A:59:GLU:HG3	0.43	2.12	6	1
1:A:99:SER:HA	1:A:135:SER:OG	0.43	2.14	12	3
1:A:123:VAL:HG11	1:A:141:LEU:HD21	0.43	1.90	2	1
1:A:83:GLU:HA	1:A:146:GLN:HA	0.43	1.91	3	1
1:A:25:LYS:C	1:A:25:LYS:HD3	0.43	2.39	5	1
1:A:30:TRP:CD2	1:A:43:PRO:HB3	0.43	2.49	5	2
1:A:58:GLU:CG	1:A:59:GLU:N	0.43	2.81	18	1
1:A:95:LEU:O	1:A:137:ILE:HB	0.43	2.13	9	1
1:A:103:ILE:O	1:A:109:THR:HA	0.43	2.13	19	2
1:A:81:THR:HA	1:A:148:VAL:HA	0.43	1.90	10	1
1:A:155:ILE:H	1:A:155:ILE:HD13	0.42	1.72	2	1
1:A:27:ILE:HD11	1:A:59:GLU:HA	0.42	1.90	8	1
1:A:27:ILE:HD13	1:A:58:GLU:CG	0.42	2.44	4	1
1:A:94:ARG:HG3	1:A:138:LEU:HA	0.42	1.91	4	1
1:A:48:TYR:CB	1:A:49:MET:HE2	0.42	2.34	8	1
1:A:45:LYS:HA	1:A:52:PRO:HA	0.42	1.90	18	2
1:A:123:VAL:HG11	1:A:141:LEU:HD13	0.42	1.91	18	1
1:A:101:ALA:CB	1:A:149:VAL:HG12	0.42	2.45	6	1
1:A:104:ARG:HA	1:A:109:THR:HA	0.42	1.90	16	1
1:A:27:ILE:HD13	1:A:58:GLU:HG3	0.42	1.92	4	1
1:A:35:VAL:HG23	1:A:38:GLN:NE2	0.41	2.29	9	1
1:A:27:ILE:HG12	1:A:30:TRP:CH2	0.41	2.50	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:129:ALA:HB3	1:A:136:GLU:CG	0.41	2.46	5	1
1:A:113:VAL:CG1	1:A:121:ASP:HB3	0.41	2.46	13	1
1:A:42:LYS:HB3	1:A:43:PRO:HD2	0.41	1.92	14	1
1:A:110:ILE:HA	1:A:123:VAL:O	0.41	2.15	16	1
1:A:58:GLU:HG2	1:A:59:GLU:N	0.41	2.30	18	1
1:A:86:LEU:CD1	1:A:86:LEU:N	0.41	2.82	17	1
1:A:35:VAL:O	1:A:35:VAL:HG23	0.41	2.14	18	1
1:A:34:MET:N	1:A:34:MET:HE3	0.41	2.31	1	1
1:A:128:GLY:N	1:A:136:GLU:O	0.41	2.53	9	2
1:A:27:ILE:HG21	1:A:30:TRP:CH2	0.41	2.50	13	1
1:A:94:ARG:NE	1:A:94:ARG:HA	0.41	2.31	15	1
1:A:165:VAL:O	1:A:166:ALA:HB2	0.41	2.15	17	1
1:A:32:ASP:OD1	1:A:53:LEU:HD23	0.41	2.15	5	1
1:A:141:LEU:HG	1:A:142:LYS:N	0.41	2.31	7	1
1:A:84:VAL:HG22	1:A:145:GLN:H	0.41	1.76	18	1
1:A:97:VAL:HG22	1:A:101:ALA:HB3	0.41	1.92	18	1
1:A:94:ARG:HB2	1:A:136:GLU:OE1	0.41	2.16	8	1
1:A:25:LYS:HA	1:A:57:TYR:CD2	0.41	2.51	11	1
1:A:42:LYS:O	1:A:42:LYS:HD3	0.41	2.15	12	1
1:A:29:TYR:CD2	1:A:39:ARG:HA	0.41	2.50	16	1
1:A:25:LYS:HG2	1:A:25:LYS:O	0.41	2.15	1	1
1:A:125:VAL:CG2	1:A:126:LYS:N	0.41	2.83	18	2
1:A:80:ARG:H	1:A:80:ARG:HD3	0.41	1.75	14	1
1:A:94:ARG:CG	1:A:138:LEU:HD12	0.40	2.45	13	1
1:A:82:ALA:CB	1:A:149:VAL:HG11	0.40	2.46	19	1
1:A:147:VAL:O	1:A:149:VAL:HG23	0.40	2.16	15	1
1:A:80:ARG:HD2	1:A:80:ARG:N	0.40	2.30	20	1
1:A:55:PRO:HG2	1:A:59:GLU:CG	0.40	2.46	14	1
1:A:129:ALA:HB3	1:A:136:GLU:CD	0.40	2.42	1	1
1:A:156:ASP:HA	1:A:159:ALA:HB3	0.40	1.93	12	1
1:A:31:ARG:HB2	1:A:38:GLN:NE2	0.40	2.32	20	1
1:A:30:TRP:CG	1:A:43:PRO:HA	0.40	2.51	3	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	115/180 (64%)	99±3 (86±2%)	13±3 (11±2%)	4±1 (3±1%)	5 36
All	All	2300/3600 (64%)	1976 (86%)	251 (11%)	73 (3%)	5 36

All 15 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	57	TYR	20
1	A	87	GLY	11
1	A	164	THR	9
1	A	155	ILE	6
1	A	43	PRO	5
1	A	166	ALA	3
1	A	59	GLU	3
1	A	165	VAL	3
1	A	163	GLY	3
1	A	25	LYS	2
1	A	29	TYR	2
1	A	93	GLU	2
1	A	129	ALA	2
1	A	154	LEU	1
1	A	152	GLN	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	91/138 (66%)	83±2 (91±2%)	8±2 (9±2%)	11 57
All	All	1820/2760 (66%)	1658 (91%)	162 (9%)	11 57

All 33 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	57	TYR	19
1	A	34	MET	16
1	A	125	VAL	12

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Mol	Chain	Res	Type	Models (Total)
1	A	58	GLU	11
1	A	108	ARG	11
1	A	38	GLN	10
1	A	138	LEU	8
1	A	85	LYS	7
1	A	25	LYS	7
1	A	94	ARG	7
1	A	49	MET	6
1	A	51	MET	6
1	A	126	LYS	4
1	A	93	GLU	4
1	A	149	VAL	3
1	A	154	LEU	3
1	A	27	ILE	3
1	A	147	VAL	3
1	A	26	ARG	2
1	A	31	ARG	2
1	A	45	LYS	2
1	A	86	LEU	2
1	A	42	LYS	2
1	A	123	VAL	2
1	A	158	GLU	2
1	A	155	ILE	1
1	A	164	THR	1
1	A	104	ARG	1
1	A	28	LEU	1
1	A	53	LEU	1
1	A	121	ASP	1
1	A	80	ARG	1
1	A	145	GLN	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

Of 1 ligands modelled in this entry, 1 is monoatomic - leaving 0 for Mogul analysis.

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 82% for the well-defined parts and 77% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list*

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	1807
Number of shifts mapped to atoms	1807
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	4

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	167	-0.04 ± 0.09	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	145	-0.02 ± 0.12	None needed (< 0.5 ppm)
$^{13}C'$	151	-0.10 ± 0.06	None needed (< 0.5 ppm)
^{15}N	157	-0.21 ± 0.42	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 82%, i.e. 1283 atoms were assigned a chemical shift out of a possible 1556. 0 out of 21 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	534/572 (93%)	223/235 (95%)	210/230 (91%)	101/107 (94%)
Sidechain	701/915 (77%)	469/598 (78%)	231/281 (82%)	1/36 (3%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	48/69 (70%)	24/33 (73%)	23/35 (66%)	1/1 (100%)
Overall	1283/1556 (82%)	716/866 (83%)	464/546 (85%)	103/144 (72%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 77%, i.e. 1807 atoms were assigned a chemical shift out of a possible 2345. 0 out of 31 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	808/904 (89%)	333/374 (89%)	318/360 (88%)	157/170 (92%)
Sidechain	943/1346 (70%)	609/878 (69%)	333/413 (81%)	1/55 (2%)
Aromatic	56/95 (59%)	28/46 (61%)	27/44 (61%)	1/5 (20%)
Overall	1807/2345 (77%)	970/1298 (75%)	678/817 (83%)	159/230 (69%)

7.1.4 Statistically unusual chemical shifts (i)

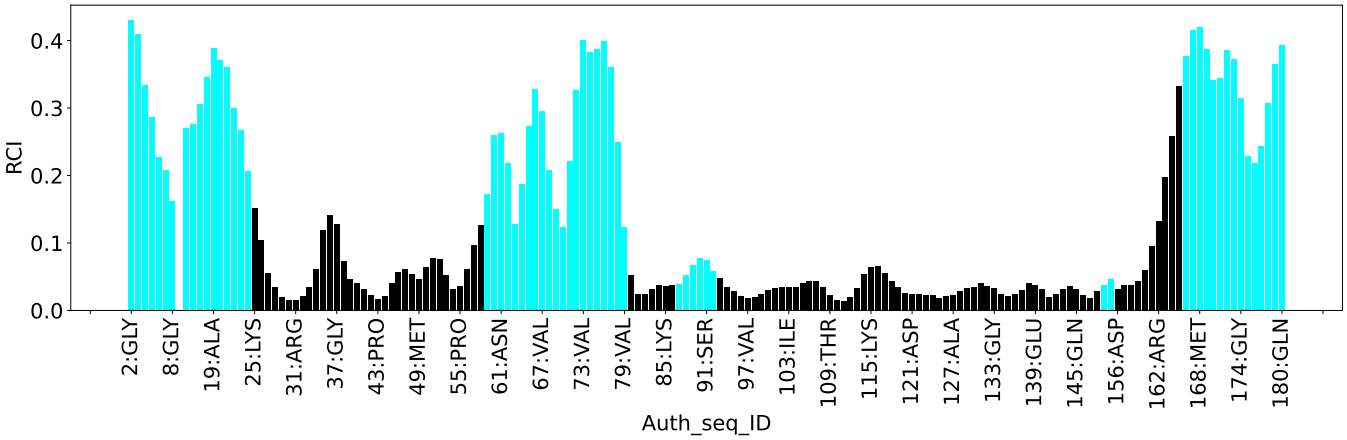
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	27	ILE	HG21	-0.79	-0.56 – 2.11	-5.8
1	A	27	ILE	HG22	-0.79	-0.56 – 2.11	-5.8
1	A	27	ILE	HG23	-0.79	-0.56 – 2.11	-5.8
1	A	39	ARG	HD2	1.85	1.97 – 4.26	-5.5

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
0.0
0.1
0.2
0.3
0.4
2:GLY
8:GLY
19:ALA
25:LYS
31:ARG
37:GLY
43:PRO
49:MET
55:PRO
61:ASN
67:VAL
73:VAL
79:VAL
85:LYS
91:SER
97:VAL
103:ILE
109:THR
115:LYS
121:ASP
127:ALA
133:GLY
139:GLU
145:GLN
156:ASP
162:ARG
168:MET
174:GLY
180:GLN
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	4633
Intra-residue (|i-j|=0)	1754
Sequential (|i-j|=1)	1306
Medium range (|i-j|>1 and |i-j|<5)	454
Long range (|i-j|≥5)	1119
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	174
Number of unmapped restraints	0
Number of restraints per residue	26.6
Number of long range restraints per residue[1]	6.2

[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)	129.1	0.2
0.2-0.5 (Medium)	183.1	0.5
>0.5 (Large)	544.5	45.1

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)	14.7	8.46
10.0-20.0 (Medium)	1.9	16.94
>20.0 (Large)	None	None

9 Distance violation analysis (i)

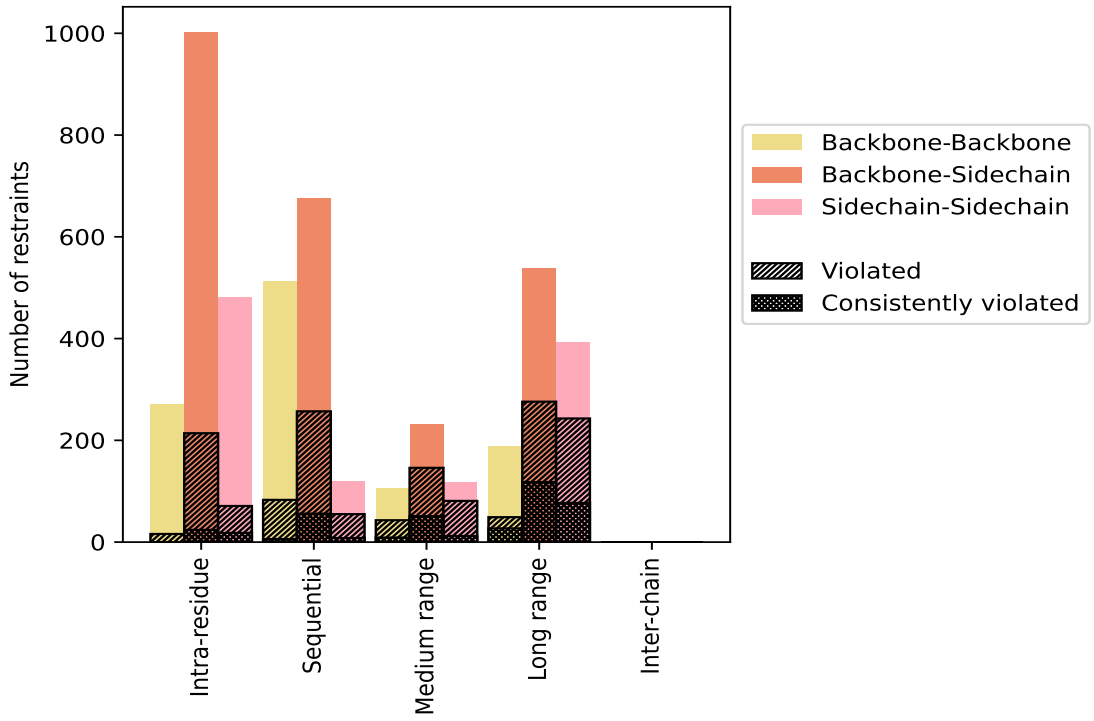
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	1754	37.9	301	17.2	6.5	42	2.4	0.9
Backbone-Backbone	271	5.8	16	5.9	0.3	0	0.0	0.0
Backbone-Sidechain	1002	21.6	214	21.4	4.6	24	2.4	0.5
Sidechain-Sidechain	481	10.4	71	14.8	1.5	18	3.7	0.4
Sequential (|i-j|=1)	1306	28.2	395	30.2	8.5	70	5.4	1.5
Backbone-Backbone	512	11.1	83	16.2	1.8	6	1.2	0.1
Backbone-Sidechain	675	14.6	257	38.1	5.5	56	8.3	1.2
Sidechain-Sidechain	119	2.6	55	46.2	1.2	8	6.7	0.2
Medium range (|i-j|>1 & |i-j|<5)	454	9.8	270	59.5	5.8	72	15.9	1.6
Backbone-Backbone	106	2.3	43	40.6	0.9	9	8.5	0.2
Backbone-Sidechain	231	5.0	146	63.2	3.2	51	22.1	1.1
Sidechain-Sidechain	117	2.5	81	69.2	1.7	12	10.3	0.3
Long range (|i-j|≥5)	1119	24.2	568	50.8	12.3	222	19.8	4.8
Backbone-Backbone	189	4.1	49	25.9	1.1	27	14.3	0.6
Backbone-Sidechain	538	11.6	276	51.3	6.0	118	21.9	2.5
Sidechain-Sidechain	392	8.5	243	62.0	5.2	77	19.6	1.7
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	4633	100.0	1534	33.1	33.1	406	8.8	8.8
Backbone-Backbone	1078	23.3	191	17.7	4.1	42	3.9	0.9
Backbone-Sidechain	2446	52.8	893	36.5	19.3	249	10.2	5.4
Sidechain-Sidechain	1109	23.9	450	40.6	9.7	115	10.4	2.5

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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	139	200	161	371	0	871	1.93	29.85	3.35	0.75
2	148	192	159	373	0	872	1.98	30.77	3.51	0.76
3	143	194	163	372	0	872	1.93	38.02	3.42	0.77
4	141	196	160	371	0	868	2.02	29.05	3.6	0.75
5	141	209	155	370	0	875	1.95	31.26	3.57	0.7
6	155	197	163	377	0	892	1.9	38.62	3.37	0.78
7	130	197	158	357	0	842	2.03	34.15	3.58	0.82
8	137	214	164	360	0	875	1.98	29.33	3.51	0.76
9	148	210	164	360	0	882	1.86	27.12	3.02	0.77
10	142	201	156	367	0	866	1.92	30.12	3.33	0.72

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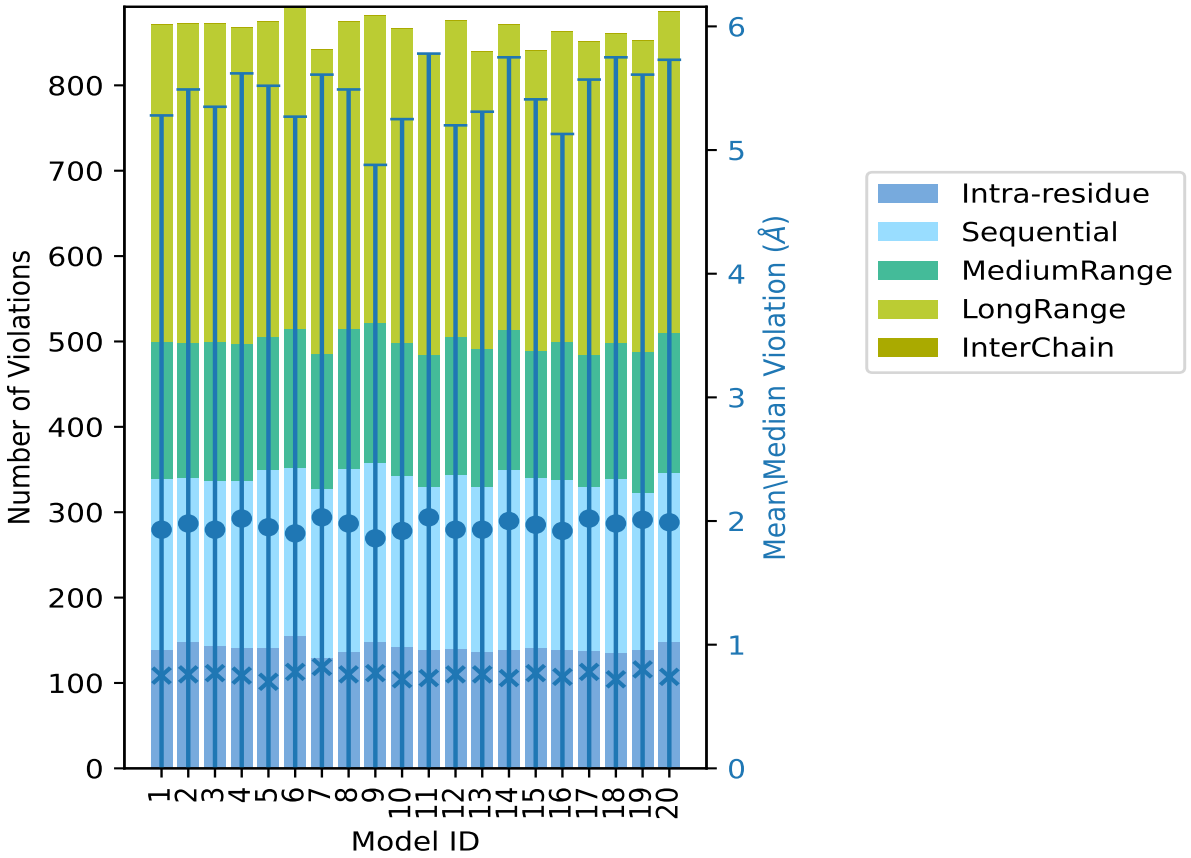
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	139	191	155	352	0	837	2.03	36.46	3.75	0.73
12	140	204	161	371	0	876	1.93	26.19	3.27	0.76
13	136	194	161	349	0	840	1.93	32.01	3.38	0.76
14	139	210	165	357	0	871	2.0	38.61	3.75	0.73
15	141	200	148	352	0	841	1.97	42.08	3.44	0.77
16	139	199	161	364	0	863	1.92	23.63	3.21	0.74
17	138	192	155	366	0	851	2.02	29.57	3.55	0.78
18	136	203	159	363	0	861	1.98	37.46	3.77	0.72
19	139	184	165	364	0	852	2.01	28.59	3.6	0.8
20	148	198	164	376	0	886	1.99	45.1	3.74	0.74

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

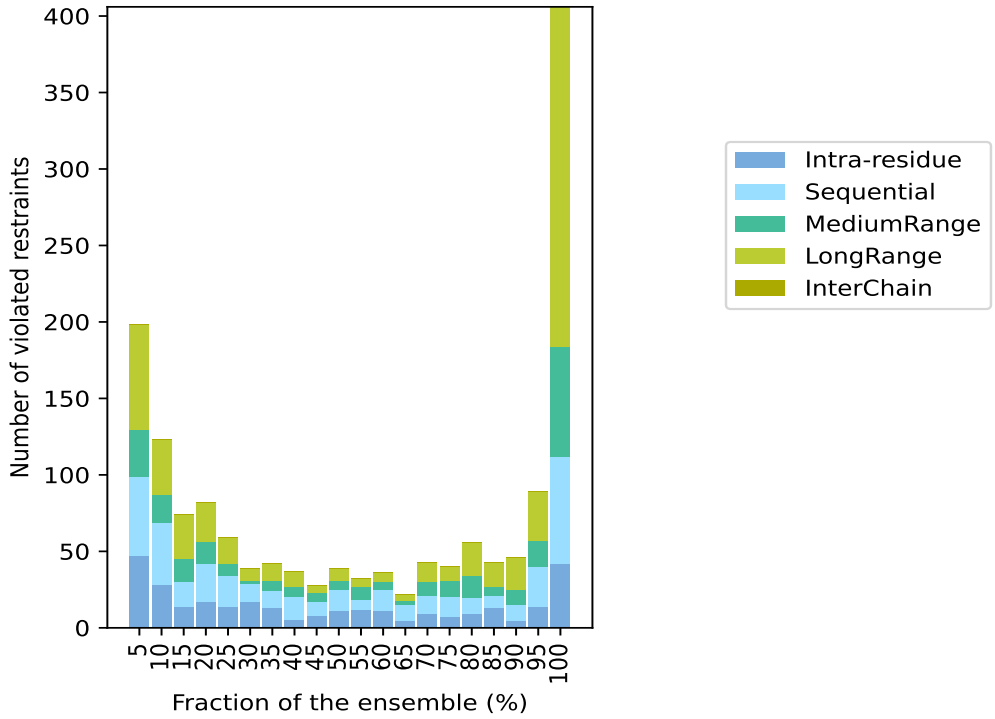
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 3099(IR:1453, SQ:911, MR:184, LR:551, 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]	%
47	52	31	68	0	198	1	5.0
28	41	18	36	0	123	2	10.0
14	16	15	29	0	74	3	15.0
17	25	14	26	0	82	4	20.0
14	20	8	17	0	59	5	25.0
17	12	2	8	0	39	6	30.0
13	11	7	11	0	42	7	35.0
5	15	7	10	0	37	8	40.0
8	9	6	5	0	28	9	45.0
11	14	6	8	0	39	10	50.0
12	6	9	5	0	32	11	55.0
11	14	5	6	0	36	12	60.0
5	10	3	4	0	22	13	65.0
9	12	9	13	0	43	14	70.0
7	13	11	9	0	40	15	75.0
9	11	14	22	0	56	16	80.0
13	8	6	16	0	43	17	85.0
5	10	10	21	0	46	18	90.0
14	26	17	32	0	89	19	95.0
42	70	72	222	0	406	20	100.0

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

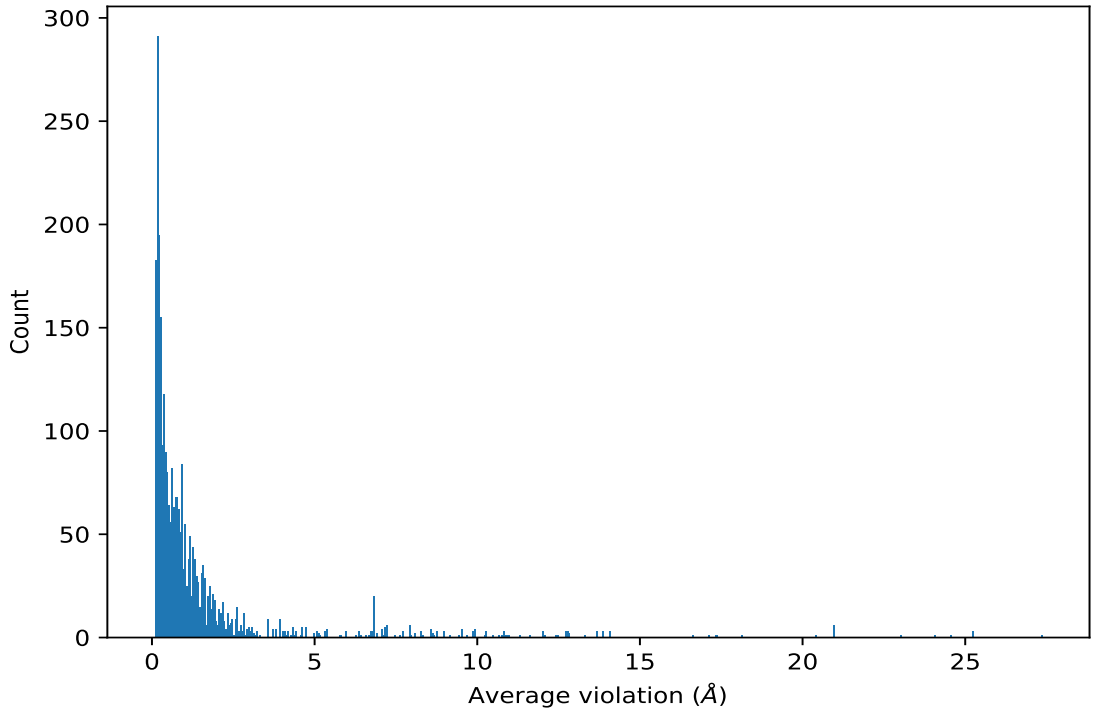
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	20	27.36	10.52	27.7
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	20	25.21	6.75	26.19
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	20	25.21	6.75	26.19
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	20	25.21	6.75	26.19
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	20	24.57	3.87	25.54
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	20	24.05	4.37	23.54
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	20	23.03	6.33	24.07
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	20	20.96	6.38	19.57
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	20	20.96	6.38	19.57
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	20	20.96	6.38	19.57
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	20	20.96	6.38	19.57
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	20	20.96	6.38	19.57
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	20	20.96	6.38	19.57
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	20	20.42	4.81	20.98
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	20	18.11	3.74	18.87
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	20	17.36	3.88	16.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	20	17.34	3.08	17.56
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	20	17.14	0.82	17.36
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	20	16.6	3.38	16.6
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	20	14.09	2.8	14.6
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	20	14.09	2.8	14.6
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	20	14.09	2.8	14.6
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	20	13.88	1.6	14.73
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	20	13.88	1.6	14.73
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	20	13.88	1.6	14.73
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	20	13.67	0.41	13.69
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	20	13.67	0.41	13.69
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	20	13.67	0.41	13.69
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	20	13.33	0.67	13.52
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	20	12.81	0.25	12.8
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	20	12.8	3.55	13.69
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	20	12.77	3.17	13.34
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	20	12.77	3.17	13.34
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	20	12.77	3.17	13.34
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	20	12.71	3.0	12.5
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	20	12.71	3.0	12.5
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	20	12.71	3.0	12.5
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	20	12.45	0.72	12.7
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	20	12.44	1.89	13.46
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	20	12.07	0.64	12.05
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	20	12.01	4.23	11.36
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	20	12.01	4.23	11.36
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	20	12.01	4.23	11.36
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	20	11.61	0.43	11.52
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	20	11.34	0.5	11.12
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	20	10.96	0.48	10.84
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	20	10.93	0.78	11.28
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	20	10.89	0.34	10.95
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	20	10.82	0.31	10.76
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	20	10.82	0.31	10.76
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	20	10.82	0.31	10.76
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	20	10.78	3.76	11.82
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	20	10.69	0.75	10.5
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	20	10.47	3.67	11.3
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	20	10.27	1.74	11.18
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	20	10.27	1.74	11.18
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	20	10.27	1.74	11.18
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	20	10.23	0.99	10.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	20	9.93	0.13	9.94
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	20	9.91	2.28	9.57
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	20	9.91	2.28	9.57
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	20	9.91	2.28	9.57
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	20	9.85	0.2	9.78
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	20	9.85	0.2	9.78
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	20	9.85	0.2	9.78
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	20	9.68	0.44	9.74
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	20	9.54	0.42	9.56
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	20	9.54	0.42	9.56
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	20	9.54	0.42	9.56
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	20	9.52	0.71	9.59
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	20	9.41	0.94	9.56
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	20	9.15	0.29	9.16
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	20	8.97	0.41	8.93
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	20	8.97	0.41	8.93
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	20	8.97	0.41	8.93
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	20	8.78	2.47	9.06
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	20	8.78	2.47	9.06
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	20	8.78	2.47	9.06
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	20	8.65	0.4	8.52
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	20	8.63	0.8	8.45
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	20	8.57	2.14	8.34
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	20	8.55	0.49	8.44
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	20	8.55	0.49	8.44
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	20	8.55	0.49	8.44
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	20	8.33	0.38	8.3
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	20	8.25	0.73	8.43
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	20	8.25	0.73	8.43
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	20	8.25	0.73	8.43
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	20	8.05	0.18	8.09
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	20	8.05	0.18	8.09
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	20	7.95	1.02	7.43
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	20	7.94	0.31	7.84
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	20	7.94	0.31	7.84
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	20	7.94	0.31	7.84
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	20	7.93	1.81	8.16
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	20	7.93	1.81	8.16
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	20	7.93	1.81	8.16
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	20	7.71	2.54	7.2
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	20	7.71	2.54	7.2
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	20	7.71	2.54	7.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	20	7.62	0.32	7.6
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	20	7.45	0.39	7.38
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	20	7.23	2.41	7.59
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	20	7.23	2.41	7.59
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	20	7.23	2.41	7.59
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	20	7.23	2.41	7.59
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	20	7.23	2.41	7.59
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	20	7.23	2.41	7.59
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	20	7.18	0.77	7.22
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	20	7.18	0.77	7.22
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	20	7.16	0.46	7.05
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	20	7.16	0.46	7.05
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	20	7.16	0.46	7.05
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	20	7.12	0.23	7.12
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	20	7.09	0.22	7.09
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	20	7.08	0.31	7.08
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	20	7.07	1.4	7.55
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	20	7.05	0.4	6.96
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	20	6.9	0.89	7.36
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	20	6.9	0.89	7.36
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	20	6.84	0.71	6.79
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	20	6.82	2.27	7.65
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	20	6.82	2.27	7.65
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	20	6.8	1.09	6.46
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	20	6.77	0.34	6.68
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	20	6.77	0.34	6.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	20	6.77	0.34	6.68
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	20	6.73	0.7	6.89
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	20	6.73	0.7	6.89
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	20	6.73	0.7	6.89
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	20	6.68	0.34	6.56
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	20	6.55	0.64	6.53
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	20	6.43	2.54	7.12
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	20	6.36	0.2	6.34
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	20	6.36	0.2	6.34
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	20	6.36	0.2	6.34
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	20	6.28	0.34	6.26
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	20	5.95	0.47	6.06
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	20	5.95	0.47	6.06
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	20	5.95	0.47	6.06
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	20	5.8	0.27	5.8
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	20	5.75	0.72	6.18
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	20	5.39	0.17	5.44
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	20	5.36	0.25	5.42
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	20	5.36	0.25	5.42
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	20	5.36	0.25	5.42
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	20	5.33	0.25	5.32
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	20	5.33	0.25	5.32
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	20	5.33	0.25	5.32
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	20	5.19	0.3	5.2
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	20	5.14	1.27	4.47
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	20	5.1	1.78	4.69
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	20	5.06	0.12	5.02
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	20	5.06	0.12	5.02
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	20	5.06	0.12	5.02
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	20	4.95	0.11	4.96
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	20	4.73	0.57	4.74
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	20	4.71	0.15	4.72
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	20	4.71	0.38	4.8
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	20	4.71	0.38	4.8
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	20	4.71	0.38	4.8
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	20	4.63	0.26	4.65
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	20	4.63	0.26	4.65
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	20	4.63	0.26	4.65
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	20	4.61	0.39	4.6
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	20	4.6	0.14	4.64
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	20	4.57	0.11	4.58
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	20	4.4	0.52	4.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	20	4.4	0.52	4.72
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	20	4.4	0.52	4.72
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	20	4.36	0.83	4.08
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	20	4.34	0.21	4.37
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	20	4.3	0.79	4.61
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	20	4.3	0.79	4.61
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	20	4.3	0.79	4.61
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	20	4.3	0.23	4.35
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	20	4.26	0.31	4.34
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	20	4.14	0.8	4.46
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	20	4.08	0.79	3.68
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	20	4.08	0.79	3.68
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	20	4.08	0.79	3.68
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	20	4.04	0.67	4.03
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	20	4.04	0.67	4.03
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	20	4.04	0.67	4.03
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	20	3.93	0.14	3.94
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	20	3.93	0.14	3.94
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	20	3.92	0.8	4.16
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	20	3.92	0.8	4.16
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	20	3.92	0.8	4.16
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	20	3.92	0.8	4.16
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	20	3.92	0.8	4.16
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	20	3.92	0.8	4.16
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	20	3.9	0.73	3.85
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	20	3.81	0.22	3.86
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	20	3.81	0.14	3.84
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	20	3.81	0.14	3.84
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	20	3.81	0.14	3.84
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	20	3.74	0.36	3.8
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	20	3.72	0.19	3.73
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	20	3.72	0.19	3.73
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	20	3.72	0.19	3.73
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	20	3.58	0.63	3.3
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	20	3.58	0.63	3.3
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	20	3.58	0.63	3.3
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	20	3.55	0.65	3.46
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	20	3.55	0.65	3.46
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	20	3.55	0.65	3.46
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	20	3.55	0.12	3.56
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	20	3.55	0.12	3.56
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	20	3.55	0.12	3.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	20	3.33	0.24	3.38
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	20	3.23	0.33	3.24
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	20	3.23	0.33	3.24
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	20	3.2	0.18	3.22
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	20	3.14	0.15	3.09
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	20	3.1	2.18	3.27
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	20	3.06	0.7	3.22
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	20	3.06	0.7	3.22
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	20	3.06	0.7	3.22
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	20	3.0	0.69	3.1
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	20	3.0	0.69	3.1
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	20	3.0	0.69	3.1
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	20	2.99	0.12	3.0
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	20	2.99	0.12	3.0
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	20	2.99	0.12	3.0
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	20	2.99	0.55	3.15
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	20	2.94	0.19	2.97
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	20	2.9	0.13	2.86
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	20	2.9	0.13	2.86
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	20	2.9	0.13	2.86
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	20	2.85	0.38	2.92
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	20	2.82	0.33	2.8
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	20	2.82	0.33	2.8
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	20	2.82	0.33	2.8
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	20	2.73	0.63	2.58
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	20	2.73	0.63	2.58
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	20	2.73	0.63	2.58
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	20	2.73	0.2	2.66
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	20	2.73	0.2	2.66
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	20	2.72	0.24	2.75
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	20	2.69	0.71	3.07
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	20	2.69	0.71	3.07
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	20	2.69	0.71	3.07
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	20	2.61	0.85	2.3
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	20	2.61	0.85	2.3
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	20	2.61	0.85	2.3
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	20	2.61	0.41	2.63
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	20	2.61	0.41	2.63
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	20	2.61	0.41	2.63
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	20	2.6	0.73	2.36
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	20	2.6	0.73	2.36
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	20	2.6	0.73	2.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	20	2.6	0.73	2.36
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	20	2.6	0.73	2.36
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	20	2.6	0.73	2.36
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	20	2.6	0.73	2.36
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	20	2.6	0.73	2.36
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	20	2.6	0.73	2.36
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	20	2.51	0.2	2.55
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	20	2.48	0.8	2.44
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	20	2.48	0.8	2.44
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	20	2.48	0.8	2.44
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	20	2.42	0.71	2.52
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	20	2.42	0.71	2.52
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	20	2.42	0.71	2.52
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	20	2.4	0.8	2.4
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	20	2.4	0.92	2.64
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	20	2.4	0.92	2.64
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	20	2.4	0.92	2.64
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	20	2.36	0.39	2.46
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	20	2.36	0.39	2.46
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	20	2.36	0.39	2.46
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	20	2.34	0.43	2.23
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	20	2.34	0.43	2.23
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	20	2.34	0.43	2.23
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	20	2.33	0.26	2.28
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	20	2.33	0.26	2.28
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	20	2.33	0.26	2.28
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	20	2.32	0.09	2.33
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	20	2.32	0.09	2.33
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	20	2.32	0.09	2.33
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	20	2.28	0.75	2.38
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	20	2.26	1.59	1.6
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	20	2.26	1.59	1.6
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	20	2.26	1.59	1.6
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	20	2.24	0.57	2.34
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	20	2.24	0.57	2.34
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	20	2.24	0.57	2.34
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	20	2.23	0.11	2.24
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	20	2.19	0.57	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	20	2.19	0.57	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	20	2.19	0.57	2.52
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	20	2.19	0.08	2.18
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	20	2.16	0.51	2.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	20	2.16	0.51	2.34
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	20	2.16	0.51	2.34
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	20	2.15	0.35	2.24
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	20	2.15	0.35	2.24
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	20	2.15	0.35	2.24
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	20	2.15	0.35	2.24
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	20	2.15	0.35	2.24
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	20	2.15	0.35	2.24
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	20	2.15	0.35	2.24
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	20	2.15	0.35	2.24
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	20	2.15	0.35	2.24
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	20	2.14	0.71	2.24
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	20	2.14	0.71	2.24
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	20	2.14	0.71	2.24
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	20	2.13	0.26	2.19
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	20	2.13	0.26	2.19
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	20	2.13	0.26	2.19
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	20	2.13	1.13	2.14
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	20	2.13	1.13	2.14
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	20	2.13	1.13	2.14
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	20	2.08	0.48	2.2
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	20	2.08	0.89	2.67
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	20	2.07	0.49	2.26
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	20	2.07	0.82	1.72
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	20	2.07	0.82	1.72
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	20	2.07	0.82	1.72
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	20	2.05	0.27	2.1
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	20	2.05	0.27	2.1
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	20	2.05	0.27	2.1
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	20	2.05	0.42	2.16
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	20	2.05	0.42	2.16
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	20	2.05	0.42	2.16
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	20	2.05	0.5	2.05
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	20	2.03	0.22	2.09
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	20	2.03	0.9	1.9
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	20	2.03	0.66	2.37
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	20	2.02	0.09	2.03
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	20	1.99	0.14	1.98
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	20	1.99	0.14	1.98
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	20	1.99	0.14	1.98
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	20	1.98	0.27	1.93
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	20	1.98	1.46	1.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	20	1.98	1.46	1.27
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	20	1.98	1.46	1.27
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	20	1.97	0.47	2.13
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	20	1.94	0.21	1.98
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	20	1.94	0.21	1.98
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	20	1.93	0.72	1.96
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	20	1.92	0.59	1.76
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	20	1.91	0.63	2.1
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	20	1.88	0.5	1.88
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	20	1.86	0.83	1.79
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	20	1.86	0.83	1.79
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	20	1.86	0.83	1.79
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	20	1.85	0.89	1.64
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	20	1.84	0.66	2.19
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	20	1.81	0.28	1.82
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	20	1.81	0.28	1.82
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	20	1.81	0.28	1.82
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	20	1.8	0.65	1.52
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	20	1.8	0.65	1.52
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	20	1.8	0.65	1.52
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	20	1.8	0.16	1.83
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	20	1.8	0.36	1.98
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	20	1.78	0.39	1.88
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	20	1.78	0.39	1.88
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	20	1.78	0.39	1.88
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	20	1.78	0.04	1.78
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	20	1.78	0.04	1.78
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	20	1.78	0.04	1.78
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	20	1.78	0.56	1.96
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	20	1.78	0.56	1.96
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	20	1.78	0.56	1.96
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	20	1.77	0.4	1.62
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	20	1.77	0.1	1.78
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	20	1.77	0.1	1.78
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	20	1.77	0.1	1.78
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	20	1.75	0.2	1.68
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	20	1.75	0.2	1.68
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	20	1.75	0.2	1.68
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	20	1.74	0.78	1.96
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	20	1.73	0.87	1.68
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	20	1.73	0.87	1.68
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	20	1.73	0.67	1.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	20	1.73	0.67	1.5
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	20	1.73	0.67	1.5
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	20	1.72	0.35	1.83
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	20	1.72	0.39	1.83
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	20	1.72	0.39	1.83
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	20	1.72	0.39	1.83
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	20	1.7	0.42	1.84
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	20	1.7	1.6	1.05
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	20	1.7	1.6	1.05
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	20	1.7	1.6	1.05
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	20	1.65	0.34	1.67
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	20	1.65	0.24	1.66
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	20	1.64	0.28	1.83
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	20	1.63	0.45	1.67
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	20	1.63	0.64	1.73
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	20	1.6	0.18	1.58
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	20	1.58	0.06	1.6
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	20	1.58	0.06	1.6
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	20	1.58	0.06	1.6
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	20	1.57	0.51	1.53
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	20	1.57	0.66	1.42
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	20	1.56	0.16	1.58
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	20	1.53	0.23	1.51
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	20	1.53	0.23	1.51
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	20	1.53	0.23	1.51
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	20	1.53	0.61	1.86
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	20	1.53	0.33	1.64
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	20	1.53	0.33	1.64
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	20	1.53	0.33	1.64
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	20	1.53	0.33	1.64
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	20	1.53	0.33	1.64
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	20	1.53	0.33	1.64
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	20	1.53	0.33	1.64
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	20	1.53	0.33	1.64
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	20	1.53	0.33	1.64
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	20	1.52	0.42	1.72
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	20	1.52	0.29	1.59
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	20	1.52	0.29	1.59
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	20	1.52	0.29	1.59
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	20	1.51	0.22	1.48
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	20	1.51	0.22	1.48
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	20	1.51	0.22	1.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	20	1.51	0.22	1.48
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	20	1.51	0.22	1.48
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	20	1.51	0.22	1.48
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	20	1.48	0.5	1.4
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	20	1.48	0.5	1.4
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	20	1.48	0.5	1.4
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	20	1.47	0.22	1.55
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	20	1.47	0.64	1.15
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	20	1.47	0.64	1.15
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	20	1.47	0.64	1.15
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	20	1.46	0.25	1.54
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	20	1.46	0.29	1.54
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	20	1.44	0.55	1.19
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	20	1.44	0.55	1.19
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	20	1.44	0.55	1.19
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	20	1.44	0.64	1.14
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	20	1.42	0.18	1.5
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	20	1.42	0.18	1.5
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	20	1.42	0.18	1.5
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	20	1.41	0.17	1.42
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	20	1.41	0.17	1.42
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	20	1.41	0.17	1.42
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	20	1.4	0.32	1.4
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	20	1.4	0.32	1.4
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	20	1.4	0.32	1.4
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	20	1.4	0.22	1.33
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	20	1.4	0.22	1.33
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	20	1.4	0.22	1.33
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	20	1.4	0.23	1.34
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	20	1.4	0.4	1.36
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	20	1.4	0.4	1.36
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	20	1.4	0.4	1.36
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	20	1.4	0.4	1.36
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	20	1.4	0.4	1.36
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	20	1.4	0.4	1.36
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	20	1.38	0.44	1.28
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	20	1.38	0.65	1.4
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	20	1.38	0.47	1.2
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	20	1.38	0.47	1.2
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	20	1.38	0.47	1.2
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	20	1.38	0.44	1.51
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	20	1.38	0.44	1.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	20	1.38	0.44	1.51
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	20	1.38	0.44	1.51
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	20	1.38	0.44	1.51
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	20	1.38	0.44	1.51
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	20	1.38	0.44	1.51
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	20	1.38	0.44	1.51
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	20	1.38	0.44	1.51
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	20	1.34	0.65	1.0
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	20	1.33	0.18	1.37
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	20	1.33	0.18	1.37
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	20	1.31	0.46	1.14
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	20	1.31	0.46	1.14
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	20	1.31	0.46	1.14
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	20	1.31	0.28	1.33
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	20	1.31	0.06	1.33
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	20	1.29	0.77	1.13
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	20	1.29	0.77	1.13
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	20	1.29	0.77	1.13
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	20	1.26	0.41	1.26
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	20	1.24	0.58	1.14
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	20	1.24	0.58	1.14
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	20	1.24	0.58	1.14
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	20	1.24	0.05	1.23
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	20	1.24	0.05	1.23
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	20	1.24	0.05	1.23
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	20	1.23	0.52	1.04
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	20	1.21	0.6	1.44
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	20	1.21	0.39	1.38
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	20	1.21	0.39	1.38
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	20	1.21	0.39	1.38
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	20	1.2	0.04	1.2
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	20	1.2	0.87	0.76
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	20	1.2	0.87	0.76
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	20	1.2	0.87	0.76
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	20	1.18	0.29	1.07
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	20	1.18	0.29	1.07
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	20	1.18	0.29	1.07
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	20	1.17	0.18	1.23
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	20	1.16	0.46	1.06
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	20	1.16	0.46	1.06
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	20	1.16	0.46	1.06
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	20	1.16	0.67	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	20	1.16	0.67	0.94
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	20	1.16	0.67	0.94
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	20	1.15	0.57	0.94
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	20	1.15	0.57	0.94
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	20	1.15	0.57	0.94
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	20	1.15	0.57	0.94
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	20	1.15	0.57	0.94
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	20	1.15	0.57	0.94
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	20	1.15	0.57	0.94
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	20	1.15	0.57	0.94
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	20	1.15	0.57	0.94
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	20	1.15	0.49	1.25
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	20	1.14	0.42	1.33
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	20	1.14	0.11	1.15
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	20	1.13	0.08	1.13
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	20	1.13	0.15	1.16
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	20	1.12	0.44	0.92
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	20	1.12	0.44	0.92
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	20	1.12	0.44	0.92
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	20	1.12	0.17	1.14
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	20	1.12	0.22	1.1
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	20	1.12	0.22	1.1
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	20	1.12	0.22	1.1
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	20	1.12	0.36	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	20	1.12	0.36	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	20	1.12	0.36	1.0
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	20	1.1	0.16	1.12
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	20	1.1	0.13	1.08
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	20	1.1	0.13	1.08
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	20	1.09	0.79	0.62
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	20	1.08	0.15	1.06
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	20	1.05	0.22	1.06
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	20	1.05	0.22	1.06
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	20	1.05	0.22	1.06
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	20	1.03	0.21	1.0
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	20	1.03	0.21	1.0
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	20	1.03	0.21	1.0
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	20	1.03	0.1	1.0
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	20	1.02	0.31	0.94
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	20	1.0	0.43	0.82
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	20	1.0	0.43	0.82
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	20	1.0	0.43	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	20	1.0	0.02	1.0
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	20	0.95	0.2	1.02
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	20	0.95	0.73	0.54
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	20	0.94	0.19	0.96
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	20	0.94	0.19	0.96
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	20	0.94	0.19	0.96
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	20	0.94	0.3	0.97
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	20	0.94	0.3	0.97
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	20	0.94	0.3	0.97
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	20	0.94	0.21	0.94
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	20	0.93	0.26	1.02
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	20	0.93	0.26	1.02
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	20	0.93	0.26	1.02
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	20	0.92	0.42	1.04
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	20	0.9	0.27	0.98
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	20	0.9	0.43	1.12
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	20	0.89	0.31	0.97
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	20	0.89	0.31	0.97
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	20	0.89	0.31	0.97
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	20	0.89	0.22	0.88
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	20	0.88	0.33	0.87
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	20	0.88	0.33	0.87
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	20	0.88	0.33	0.87
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	20	0.88	0.33	0.87
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	20	0.88	0.33	0.87
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	20	0.88	0.33	0.87
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	20	0.86	0.42	0.74
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	20	0.86	0.1	0.9
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	20	0.85	0.09	0.85
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	20	0.85	0.09	0.85
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	20	0.85	0.09	0.85
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	20	0.84	0.09	0.84
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	20	0.84	0.09	0.84
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	20	0.84	0.09	0.84
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	20	0.84	0.23	0.88
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	20	0.83	0.07	0.81
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	20	0.82	0.0	0.82
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	20	0.81	0.09	0.81
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	20	0.81	0.09	0.81
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	20	0.81	0.09	0.81
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	20	0.81	0.22	0.84
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	20	0.81	0.3	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	20	0.8	0.14	0.81
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	20	0.8	0.14	0.81
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	20	0.8	0.29	0.91
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	20	0.8	0.29	0.91
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	20	0.8	0.29	0.91
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	20	0.79	0.05	0.8
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	20	0.79	0.32	0.8
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	20	0.79	0.19	0.78
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	20	0.79	0.19	0.78
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	20	0.79	0.19	0.78
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	20	0.79	0.18	0.74
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	20	0.79	0.18	0.74
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	20	0.79	0.18	0.74
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	20	0.79	0.48	0.44
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	20	0.79	0.48	0.44
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	20	0.79	0.48	0.44
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	20	0.78	0.22	0.84
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	20	0.78	0.37	0.72
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	20	0.78	0.37	0.72
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	20	0.78	0.37	0.72
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	20	0.78	0.18	0.8
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	20	0.78	0.18	0.8
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	20	0.78	0.18	0.8
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	20	0.78	0.29	0.7
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	20	0.78	0.29	0.7
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	20	0.78	0.29	0.7
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	20	0.78	0.67	0.42
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	20	0.78	0.67	0.42
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	20	0.78	0.67	0.42
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	20	0.77	0.17	0.76
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	20	0.77	0.45	0.62
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	20	0.77	0.45	0.62
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	20	0.77	0.45	0.62
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	20	0.76	0.3	0.83
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	20	0.76	0.09	0.76
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	20	0.76	0.09	0.76
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	20	0.76	0.09	0.76
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	20	0.76	0.04	0.76
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	20	0.75	0.2	0.78
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	20	0.75	0.2	0.78
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	20	0.75	0.2	0.78
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	20	0.75	0.14	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	20	0.73	0.24	0.68
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	20	0.73	0.24	0.68
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	20	0.73	0.24	0.68
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	20	0.72	0.22	0.72
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	20	0.72	0.22	0.72
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	20	0.72	0.22	0.72
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	20	0.72	0.14	0.7
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	20	0.72	0.43	0.61
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	20	0.72	0.43	0.61
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	20	0.72	0.43	0.61
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	20	0.72	0.43	0.61
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	20	0.72	0.43	0.61
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	20	0.72	0.43	0.61
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	20	0.71	0.38	0.7
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	20	0.71	0.38	0.7
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	20	0.71	0.38	0.7
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	20	0.71	0.15	0.72
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	20	0.71	0.15	0.72
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	20	0.71	0.15	0.72
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	20	0.71	0.06	0.72
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	20	0.7	0.72	0.34
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	20	0.7	0.72	0.34
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	20	0.7	0.72	0.34
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	20	0.7	0.6	0.26
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	20	0.7	0.6	0.26
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	20	0.7	0.6	0.26
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	20	0.7	0.44	0.74
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	20	0.7	0.44	0.74
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	20	0.7	0.44	0.74
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	20	0.69	0.49	0.48
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	20	0.68	0.07	0.69
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	20	0.68	0.25	0.77
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	20	0.68	0.25	0.77
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	20	0.68	0.25	0.77
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	20	0.68	0.23	0.62
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	20	0.68	0.01	0.68
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	20	0.68	0.01	0.68
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	20	0.68	0.01	0.68
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	20	0.67	0.28	0.61
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	20	0.67	0.28	0.61
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	20	0.67	0.28	0.61
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	20	0.66	0.1	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	20	0.65	0.32	0.63
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	20	0.65	0.32	0.63
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	20	0.65	0.32	0.63
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	20	0.65	0.32	0.63
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	20	0.65	0.32	0.63
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	20	0.65	0.32	0.63
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	20	0.65	0.14	0.66
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	20	0.65	0.12	0.64
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	20	0.64	0.1	0.68
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	20	0.64	0.24	0.65
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	20	0.64	0.24	0.65
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	20	0.64	0.24	0.65
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	20	0.64	0.18	0.71
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	20	0.64	0.31	0.63
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	20	0.64	0.31	0.63
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	20	0.64	0.31	0.63
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	20	0.63	0.2	0.61
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	20	0.63	0.12	0.62
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	20	0.62	0.03	0.63
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	20	0.62	0.03	0.63
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	20	0.62	0.03	0.63
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	20	0.62	0.07	0.63
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	20	0.62	0.15	0.62
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	20	0.62	0.15	0.62
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	20	0.62	0.15	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	20	0.62	0.05	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	20	0.62	0.05	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	20	0.62	0.05	0.63
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	20	0.61	0.16	0.64
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	20	0.61	0.16	0.64
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	20	0.61	0.16	0.64
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	20	0.61	0.39	0.48
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	20	0.61	0.44	0.45
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	20	0.61	0.44	0.45
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	20	0.61	0.44	0.45
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	20	0.61	0.04	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	20	0.61	0.0	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	20	0.61	0.0	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	20	0.61	0.0	0.61
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	20	0.61	0.14	0.55
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	20	0.61	0.14	0.55
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	20	0.61	0.14	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	20	0.61	0.14	0.55
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	20	0.61	0.14	0.55
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	20	0.61	0.14	0.55
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	20	0.61	0.14	0.55
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	20	0.61	0.14	0.55
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	20	0.61	0.14	0.55
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	20	0.6	0.09	0.66
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	20	0.59	0.36	0.9
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	20	0.59	0.12	0.6
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	20	0.58	0.21	0.56
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	20	0.58	0.21	0.56
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	20	0.58	0.21	0.56
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	20	0.57	0.3	0.4
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	20	0.56	0.06	0.57
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	20	0.56	0.06	0.57
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	20	0.56	0.06	0.57
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	20	0.55	0.06	0.55
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	20	0.55	0.06	0.55
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	20	0.55	0.06	0.55
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	20	0.55	0.06	0.54
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	20	0.55	0.01	0.55
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	20	0.54	0.2	0.48
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	20	0.54	0.2	0.48
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	20	0.54	0.2	0.48
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	20	0.54	0.28	0.48
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	20	0.54	0.28	0.48
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	20	0.54	0.28	0.48
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	20	0.54	0.14	0.53
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	20	0.52	0.17	0.58
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	20	0.52	0.17	0.58
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	20	0.52	0.17	0.58
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	20	0.51	0.16	0.55
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	20	0.51	0.16	0.55
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	20	0.51	0.16	0.55
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	20	0.51	0.07	0.52
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	20	0.5	0.1	0.53
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	20	0.5	0.23	0.44
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	20	0.48	0.07	0.46
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	20	0.48	0.1	0.5
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	20	0.46	0.09	0.46
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	20	0.46	0.11	0.42
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	20	0.46	0.11	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	20	0.46	0.11	0.42
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	20	0.46	0.14	0.48
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	20	0.46	0.14	0.48
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	20	0.46	0.14	0.48
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	20	0.44	0.01	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	20	0.44	0.01	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	20	0.44	0.01	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	20	0.44	0.01	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	20	0.44	0.01	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	20	0.44	0.01	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	20	0.44	0.01	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	20	0.44	0.01	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	20	0.44	0.01	0.44
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	20	0.43	0.01	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	20	0.43	0.02	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	20	0.43	0.02	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	20	0.43	0.02	0.43
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	20	0.42	0.17	0.36
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	20	0.41	0.09	0.43
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	20	0.39	0.06	0.38
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	20	0.39	0.14	0.4
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	20	0.39	0.14	0.4
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	20	0.39	0.14	0.4
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	20	0.37	0.04	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	20	0.37	0.04	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	20	0.37	0.04	0.38
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	20	0.37	0.04	0.37
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	20	0.36	0.05	0.38
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	20	0.35	0.39	0.2
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	20	0.32	0.23	0.23
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	20	0.32	0.06	0.34
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	20	0.29	0.06	0.28
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	20	0.27	0.08	0.3
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	20	0.26	0.03	0.26
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	20	0.24	0.02	0.24
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	20	0.24	0.02	0.24
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	20	0.23	0.05	0.22
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	20	0.21	0.03	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	20	0.21	0.02	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	20	0.21	0.02	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	20	0.21	0.02	0.22
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	20	0.21	0.04	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	20	0.21	0.04	0.21
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	20	0.21	0.04	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	20	0.21	0.04	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	20	0.21	0.04	0.2
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	20	0.21	0.05	0.2
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	20	0.21	0.05	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	20	0.21	0.0	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	20	0.21	0.0	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	20	0.21	0.0	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	20	0.21	0.01	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	20	0.21	0.01	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	20	0.21	0.01	0.21
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	20	0.2	0.03	0.2
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	20	0.19	0.0	0.19
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	20	0.19	0.04	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	20	0.19	0.02	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	20	0.19	0.02	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	20	0.19	0.02	0.2
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	20	0.19	0.02	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	20	0.19	0.0	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	20	0.19	0.01	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	20	0.18	0.01	0.19
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	20	0.17	0.02	0.17
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	20	0.17	0.02	0.17
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	20	0.17	0.02	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	20	0.17	0.01	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	20	0.17	0.01	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	20	0.17	0.01	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	20	0.16	0.01	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	20	0.16	0.01	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	20	0.16	0.01	0.16
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	20	0.14	0.01	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	20	0.14	0.01	0.14
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	20	0.13	0.0	0.13
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	20	0.11	0.01	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	20	0.11	0.01	0.11
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	19	8.6	1.73	8.85
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	19	4.95	2.49	5.71
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	19	2.45	1.05	2.64
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	19	2.45	1.05	2.64
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	19	2.45	1.05	2.64
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	19	2.21	0.73	2.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	19	2.2	0.13	2.16
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	19	2.2	0.13	2.16
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	19	2.2	0.13	2.16
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	19	2.16	0.93	2.04
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	19	2.03	0.73	2.09
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	19	1.92	0.22	1.94
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	19	1.92	0.22	1.94
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	19	1.92	0.22	1.94
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	19	1.92	0.22	1.94
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	19	1.92	0.22	1.94
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	19	1.92	0.22	1.94
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	19	1.92	0.22	1.94
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	19	1.92	0.22	1.94
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	19	1.92	0.22	1.94
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	19	1.91	1.31	1.76
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	19	1.91	1.31	1.76
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	19	1.91	1.31	1.76
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	19	1.87	0.08	1.88
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	19	1.87	0.08	1.88
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	19	1.87	0.08	1.88
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	19	1.84	0.08	1.85
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	19	1.84	0.08	1.85
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	19	1.84	0.08	1.85
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	19	1.79	0.01	1.78
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	19	1.79	0.01	1.78
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	19	1.79	0.01	1.78
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	19	1.75	0.14	1.73
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	19	1.58	0.45	1.67
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	19	1.55	0.12	1.53
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	19	1.55	0.12	1.53
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	19	1.55	0.12	1.53
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	19	1.55	0.12	1.55
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	19	1.53	0.88	1.9
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	19	1.53	0.89	1.48
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	19	1.47	0.56	1.82
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	19	1.37	0.08	1.38
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	19	1.35	0.31	1.3
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	19	1.35	0.31	1.3
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	19	1.35	0.31	1.3
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	19	1.32	0.53	1.25
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	19	1.32	0.53	1.25
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	19	1.29	0.15	1.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	19	1.29	0.15	1.32
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	19	1.29	0.15	1.32
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	19	1.26	0.19	1.2
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	19	1.26	0.19	1.2
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	19	1.26	0.19	1.2
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	19	1.25	0.09	1.25
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	19	1.25	0.09	1.25
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	19	1.25	0.09	1.25
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	19	1.2	0.63	1.09
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	19	1.19	0.47	1.1
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	19	1.19	0.26	1.26
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	19	1.19	0.26	1.26
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	19	1.19	0.26	1.26
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	19	1.04	0.39	0.96
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	19	1.04	0.17	1.09
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	19	1.04	0.17	1.09
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	19	1.04	0.17	1.09
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	19	1.03	0.47	0.99
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	19	1.03	0.47	0.99
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	19	1.03	0.23	1.06
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	19	1.03	0.23	1.06
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	19	1.03	0.23	1.06
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	19	0.98	0.87	0.56
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	19	0.98	0.56	0.87
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	19	0.94	0.01	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	19	0.94	0.01	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	19	0.94	0.01	0.94
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	19	0.92	0.39	0.96
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	19	0.92	0.39	0.96
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	19	0.92	0.39	0.96
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	19	0.9	0.19	0.95
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	19	0.9	0.19	0.95
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	19	0.9	0.19	0.95
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	19	0.9	0.5	1.21
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	19	0.9	0.19	0.84
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	19	0.88	0.44	1.0
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	19	0.86	0.43	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	19	0.86	0.43	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	19	0.86	0.43	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	19	0.86	0.43	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	19	0.86	0.43	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	19	0.86	0.43	1.01

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	19	0.85	0.43	0.98
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	19	0.82	0.51	0.54
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	19	0.82	0.51	0.54
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	19	0.82	0.51	0.54
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	19	0.81	0.21	0.79
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	19	0.81	0.21	0.79
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	19	0.81	0.21	0.79
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	19	0.79	0.19	0.83
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	19	0.78	0.07	0.81
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	19	0.78	0.07	0.81
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	19	0.78	0.07	0.81
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	19	0.78	0.15	0.83
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	19	0.78	0.15	0.83
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	19	0.78	0.15	0.83
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	19	0.74	0.32	0.76
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	19	0.74	0.32	0.76
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	19	0.74	0.32	0.76
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	19	0.72	0.17	0.8
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	19	0.7	0.12	0.72
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	19	0.7	0.12	0.72
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	19	0.7	0.12	0.72
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	19	0.69	0.25	0.68
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	19	0.67	0.21	0.78
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	19	0.67	0.32	0.76
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	19	0.67	0.32	0.76
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	19	0.67	0.32	0.76
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	19	0.62	0.2	0.64
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	19	0.61	0.04	0.61
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	19	0.6	0.27	0.56
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	19	0.57	0.21	0.61
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	19	0.57	0.21	0.61
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	19	0.57	0.21	0.61
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	19	0.54	0.11	0.55
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	19	0.53	0.21	0.56
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	19	0.53	0.21	0.56
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	19	0.53	0.21	0.56
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	19	0.53	0.06	0.54
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	19	0.52	0.13	0.58
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	19	0.48	0.14	0.54
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	19	0.48	0.14	0.54
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	19	0.48	0.14	0.54
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	19	0.47	0.07	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	19	0.47	0.04	0.48
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	19	0.45	0.29	0.22
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	19	0.43	0.02	0.42
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	19	0.42	0.17	0.4
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	19	0.42	0.29	0.34
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	19	0.42	0.29	0.34
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	19	0.42	0.29	0.34
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	19	0.41	0.14	0.45
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	19	0.41	0.14	0.45
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	19	0.41	0.14	0.45
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	19	0.41	0.22	0.36
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	19	0.39	0.04	0.38
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	19	0.38	0.14	0.36
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	19	0.38	0.14	0.36
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	19	0.38	0.14	0.36
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	19	0.38	0.14	0.36
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	19	0.38	0.14	0.36
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	19	0.38	0.14	0.36
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	19	0.38	0.14	0.36
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	19	0.38	0.14	0.36
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	19	0.38	0.14	0.36
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	19	0.33	0.1	0.34
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	19	0.32	0.07	0.34
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	19	0.32	0.07	0.34
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	19	0.32	0.07	0.34
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	19	0.31	0.3	0.22
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	19	0.31	0.3	0.22
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	19	0.31	0.3	0.22
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	19	0.31	0.04	0.31
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	19	0.3	0.1	0.27
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	19	0.3	0.04	0.3
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	19	0.3	0.04	0.3
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	19	0.3	0.04	0.3
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	19	0.29	0.22	0.22
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	19	0.29	0.22	0.22
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	19	0.29	0.22	0.22
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	19	0.27	0.08	0.29
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	19	0.27	0.01	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	19	0.27	0.01	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	19	0.27	0.01	0.27
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	19	0.25	0.02	0.25
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	19	0.25	0.02	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	19	0.25	0.02	0.25
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	19	0.24	0.08	0.25
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	19	0.24	0.08	0.25
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	19	0.24	0.08	0.25
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	19	0.24	0.08	0.25
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	19	0.24	0.08	0.25
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	19	0.24	0.08	0.25
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	19	0.23	0.21	0.19
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	19	0.23	0.21	0.19
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	19	0.23	0.21	0.19
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	19	0.21	0.04	0.21
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	19	0.2	0.01	0.2
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	19	0.17	0.02	0.16
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	19	0.16	0.01	0.17
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	19	0.16	0.01	0.17
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	19	0.16	0.01	0.17
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	19	0.11	0.01	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	19	0.11	0.01	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	19	0.11	0.01	0.11
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	18	4.17	1.81	4.38
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	18	4.17	1.81	4.38
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	18	4.17	1.81	4.38
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	18	2.35	1.39	2.5
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	18	2.35	1.39	2.5
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	18	2.35	1.39	2.5
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	18	1.86	0.45	2.0
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	18	1.86	0.57	1.65
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	18	1.86	0.57	1.65
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	18	1.86	0.57	1.65
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	18	1.86	0.57	1.65
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	18	1.86	0.57	1.65
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	18	1.86	0.57	1.65
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	18	1.86	0.57	1.65
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	18	1.86	0.57	1.65
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	18	1.86	0.57	1.65
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	18	1.73	0.95	1.96
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	18	1.73	0.95	1.96
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	18	1.73	0.95	1.96
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	18	1.71	0.47	1.86
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	18	1.71	0.47	1.86
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	18	1.71	0.47	1.86
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	18	1.65	1.21	1.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	18	1.65	1.21	1.35
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	18	1.65	1.21	1.35
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	18	1.59	1.02	1.54
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	18	1.59	1.02	1.54
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	18	1.59	1.02	1.54
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	18	1.36	0.81	1.56
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	18	1.26	0.06	1.27
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	18	1.26	0.06	1.27
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	18	1.26	0.06	1.27
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	18	1.26	0.06	1.27
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	18	1.26	0.06	1.27
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	18	1.26	0.06	1.27
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	18	1.22	0.6	1.28
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	18	1.22	0.6	1.28
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	18	1.22	0.6	1.28
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	18	1.19	0.31	1.19
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	18	1.19	0.31	1.19
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	18	1.19	0.31	1.19
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	18	1.19	0.31	1.19
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	18	1.19	0.31	1.19
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	18	1.19	0.31	1.19
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	18	1.19	0.31	1.19
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	18	1.19	0.31	1.19
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	18	1.19	0.31	1.19
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	18	1.07	0.65	1.14
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	18	1.02	0.29	1.12
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	18	1.02	0.29	1.12
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	18	1.0	0.41	0.9
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	18	1.0	0.41	0.9
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	18	0.99	0.35	0.98
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	18	0.99	0.35	0.98
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	18	0.99	0.35	0.98
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	18	0.95	0.39	1.16
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	18	0.93	0.3	1.04
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	18	0.89	0.27	0.86
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	18	0.89	0.27	0.86
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	18	0.89	0.27	0.86
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	18	0.87	0.32	0.85
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	18	0.87	0.32	0.85
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	18	0.87	0.32	0.85
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	18	0.85	0.44	0.67
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	18	0.85	0.44	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	18	0.85	0.44	0.67
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	18	0.83	0.54	0.54
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	18	0.83	0.54	0.54
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	18	0.83	0.54	0.54
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	18	0.77	0.25	0.68
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	18	0.76	0.07	0.77
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	18	0.73	0.36	0.82
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	18	0.71	0.2	0.76
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	18	0.7	0.12	0.72
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	18	0.67	0.18	0.66
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	18	0.67	0.18	0.66
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	18	0.67	0.18	0.66
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	18	0.67	0.18	0.66
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	18	0.67	0.18	0.66
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	18	0.67	0.18	0.66
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	18	0.65	0.21	0.72
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	18	0.65	0.21	0.72
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	18	0.65	0.21	0.72
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	18	0.59	0.34	0.55
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	18	0.59	0.34	0.55
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	18	0.59	0.34	0.55
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	18	0.57	0.1	0.57
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	18	0.55	0.35	0.54
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	18	0.55	0.35	0.54
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	18	0.55	0.35	0.54
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	18	0.52	0.21	0.46
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	18	0.51	0.21	0.56
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	18	0.51	0.21	0.56
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	18	0.51	0.21	0.56
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	18	0.47	0.13	0.5
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	18	0.47	0.13	0.5
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	18	0.47	0.13	0.5
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	18	0.46	0.15	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	18	0.46	0.15	0.51
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	18	0.46	0.15	0.51
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	18	0.43	0.05	0.42
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	18	0.43	0.05	0.42
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	18	0.43	0.05	0.42
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	18	0.43	0.05	0.42
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	18	0.43	0.05	0.42
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	18	0.43	0.05	0.42
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	18	0.43	0.05	0.42
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	18	0.43	0.05	0.42
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	18	0.43	0.05	0.42
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	18	0.33	0.05	0.32
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	18	0.33	0.05	0.32
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	18	0.33	0.05	0.32
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	18	0.33	0.05	0.32
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	18	0.33	0.05	0.32
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	18	0.33	0.05	0.32
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	18	0.33	0.05	0.32
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	18	0.33	0.05	0.32
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	18	0.33	0.05	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	18	0.31	0.01	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	18	0.31	0.01	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	18	0.31	0.01	0.31
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	18	0.3	0.1	0.3
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	18	0.3	0.1	0.3
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	18	0.3	0.1	0.3
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	18	0.27	0.08	0.29
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	18	0.27	0.08	0.29
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	18	0.27	0.08	0.29
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	18	0.26	0.14	0.22
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	18	0.26	0.01	0.26
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	18	0.25	0.08	0.24
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	18	0.25	0.08	0.24
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	18	0.25	0.08	0.24
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	18	0.19	0.01	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	18	0.19	0.01	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	18	0.19	0.01	0.19
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	18	0.19	0.07	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	18	0.19	0.07	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	18	0.19	0.07	0.17
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	17	2.75	1.23	3.25
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	17	2.75	1.23	3.25
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	17	2.75	1.23	3.25
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	17	2.59	1.81	2.02
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	17	2.59	1.81	2.02
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	17	2.59	1.81	2.02
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	17	2.59	1.81	2.02
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	17	2.59	1.81	2.02
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	17	2.59	1.81	2.02
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	17	2.59	1.81	2.02
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	17	2.59	1.81	2.02
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	17	2.59	1.81	2.02
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	17	2.13	1.26	2.0
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	17	2.13	1.26	2.0
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	17	2.13	1.26	2.0
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	17	1.79	0.44	1.74
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	17	1.79	0.44	1.74
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	17	1.79	0.44	1.74
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	17	1.6	0.51	1.53
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	17	1.6	0.51	1.53
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	17	1.6	0.51	1.53
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	17	1.6	0.51	1.53
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	17	1.6	0.51	1.53
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	17	1.6	0.51	1.53
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	17	1.6	0.51	1.53
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	17	1.6	0.51	1.53
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	17	1.6	0.51	1.53
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	17	1.39	0.04	1.39
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	17	1.39	0.04	1.39
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	17	1.33	0.14	1.34
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	17	1.33	0.14	1.34
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	17	1.33	0.14	1.34
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	17	1.33	0.14	1.34
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	17	1.33	0.14	1.34
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	17	1.33	0.14	1.34
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	17	1.33	0.14	1.34
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	17	1.33	0.14	1.34
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	17	1.33	0.14	1.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	17	1.27	1.01	0.58
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	17	1.27	1.01	0.58
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	17	1.27	1.01	0.58
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	17	1.25	0.96	0.79
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	17	1.13	0.96	0.31
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	17	1.13	0.96	0.31
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	17	1.13	0.96	0.31
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	17	1.13	0.96	0.31
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	17	1.13	0.96	0.31
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	17	1.13	0.96	0.31
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	17	1.13	0.96	0.31
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	17	1.13	0.96	0.31
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	17	1.13	0.96	0.31
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	17	1.11	0.66	0.92
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	17	1.08	0.66	0.98
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	17	1.07	0.64	0.87
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	17	0.94	0.24	1.02
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	17	0.94	0.24	1.02
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	17	0.94	0.24	1.02
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	17	0.93	0.4	0.82
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	17	0.8	0.23	0.8
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	17	0.79	0.29	0.81
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	17	0.72	0.26	0.71
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	17	0.71	0.03	0.71
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	17	0.68	0.08	0.72
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	17	0.68	0.08	0.72
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	17	0.65	0.06	0.66
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	17	0.64	0.17	0.64
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	17	0.64	0.17	0.64
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	17	0.64	0.17	0.64
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	17	0.62	0.2	0.7
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	17	0.61	0.51	0.4
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	17	0.57	0.04	0.56
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	17	0.54	0.16	0.59
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	17	0.54	0.03	0.54
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	17	0.4	0.14	0.39
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	17	0.39	0.21	0.37
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	17	0.39	0.21	0.37
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	17	0.39	0.21	0.37
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	17	0.39	0.04	0.38
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	17	0.38	0.28	0.25
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	17	0.38	0.28	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	17	0.38	0.28	0.25
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	17	0.36	0.04	0.36
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	17	0.35	0.18	0.35
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	17	0.35	0.18	0.35
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	17	0.35	0.18	0.35
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	17	0.31	0.12	0.3
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	17	0.3	0.16	0.25
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	17	0.26	0.06	0.28
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	17	0.23	0.05	0.24
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	17	0.22	0.05	0.21
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	17	0.22	0.05	0.21
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	17	0.22	0.05	0.21
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	17	0.2	0.21	0.15
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	17	0.2	0.21	0.15
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	17	0.2	0.21	0.15
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	17	0.18	0.04	0.18
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	17	0.18	0.04	0.18
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	17	0.18	0.04	0.18
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	17	0.14	0.01	0.15
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	17	0.14	0.02	0.13
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	17	0.1	0.0	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	17	0.1	0.0	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	17	0.1	0.0	0.1
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	16	2.08	2.11	1.13
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	16	1.83	1.2	2.55
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	16	1.66	0.64	1.63
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	16	1.61	0.32	1.64
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	16	1.61	0.32	1.64
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	16	1.61	0.32	1.64
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	16	1.56	0.19	1.58
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	16	1.56	0.19	1.58
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	16	1.56	0.19	1.58
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	16	1.56	0.19	1.58
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	16	1.56	0.19	1.58
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	16	1.56	0.19	1.58
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	16	1.56	0.19	1.58
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	16	1.56	0.19	1.58
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	16	1.56	0.19	1.58
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	16	1.39	0.67	1.3
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	16	1.37	0.33	1.5
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	16	1.37	0.33	1.5
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	16	1.37	0.33	1.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	16	1.31	1.08	0.75
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	16	1.31	1.08	0.75
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	16	1.31	1.08	0.75
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	16	1.26	0.19	1.29
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	16	1.26	0.19	1.29
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	16	1.26	0.19	1.29
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	16	1.26	0.19	1.29
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	16	1.26	0.19	1.29
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	16	1.26	0.19	1.29
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	16	1.26	0.19	1.29
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	16	1.26	0.19	1.29
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	16	1.26	0.19	1.29
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	16	1.25	0.16	1.31
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	16	1.25	0.16	1.31
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	16	1.25	0.16	1.31
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	16	1.24	0.68	1.56
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	16	1.19	0.49	1.02
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	16	1.19	0.49	1.02
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	16	1.19	0.49	1.02
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	16	1.15	0.69	1.14
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	16	1.09	0.36	1.3
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	16	1.09	0.36	1.3
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	16	1.09	0.36	1.3
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	16	1.08	0.73	0.88
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	16	1.08	0.73	0.88
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	16	1.08	0.73	0.88
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	16	1.08	0.73	0.88
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	16	1.08	0.73	0.88
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	16	1.08	0.73	0.88
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	16	1.08	0.73	0.88
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	16	1.08	0.73	0.88
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	16	1.08	0.73	0.88
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	16	1.02	0.18	1.11
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	16	1.01	0.26	1.08
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	16	0.93	0.38	1.09
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	16	0.93	0.42	0.98
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	16	0.93	0.42	0.98
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	16	0.93	0.42	0.98
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	16	0.91	0.37	1.02
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	16	0.91	0.37	1.02
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	16	0.91	0.37	1.02
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	16	0.91	0.37	1.02

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	16	0.91	0.37	1.02
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	16	0.91	0.37	1.02
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	16	0.91	0.37	1.02
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	16	0.91	0.37	1.02
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	16	0.91	0.37	1.02
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	16	0.91	0.02	0.91
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	16	0.91	0.02	0.91
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	16	0.91	0.02	0.91
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	16	0.88	0.16	0.94
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	16	0.88	0.16	0.94
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	16	0.88	0.16	0.94
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	16	0.82	0.4	1.04
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	16	0.78	0.25	0.87
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	16	0.77	0.1	0.76
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	16	0.77	0.1	0.76
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	16	0.77	0.1	0.76
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	16	0.71	0.06	0.71
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	16	0.71	0.06	0.71
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	16	0.71	0.06	0.71
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	16	0.66	0.1	0.66
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	16	0.62	0.37	0.52
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	16	0.62	0.13	0.65
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	16	0.61	0.22	0.6
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	16	0.61	0.22	0.6
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	16	0.61	0.22	0.6
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	16	0.56	0.21	0.55
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	16	0.56	0.21	0.55
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	16	0.56	0.21	0.55
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	16	0.52	0.03	0.53
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	16	0.5	0.31	0.75
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	16	0.47	0.21	0.57
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	16	0.47	0.21	0.57
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	16	0.47	0.21	0.57
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	16	0.46	0.19	0.45
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	16	0.45	0.1	0.46
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	16	0.44	0.29	0.4
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	16	0.43	0.39	0.3
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	16	0.43	0.39	0.3
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	16	0.43	0.39	0.3
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	16	0.39	0.11	0.4
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	16	0.38	0.17	0.39
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	16	0.38	0.17	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	16	0.38	0.17	0.39
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	16	0.34	0.19	0.29
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	16	0.34	0.19	0.29
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	16	0.34	0.19	0.29
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	16	0.34	0.19	0.29
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	16	0.34	0.19	0.29
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	16	0.34	0.19	0.29
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	16	0.34	0.17	0.29
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	16	0.34	0.17	0.29
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	16	0.34	0.17	0.29
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	16	0.34	0.17	0.29
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	16	0.34	0.17	0.29
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	16	0.34	0.17	0.29
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	16	0.3	0.17	0.25
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	16	0.29	0.08	0.28
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	16	0.29	0.08	0.28
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	16	0.29	0.08	0.28
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	16	0.28	0.14	0.26
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	16	0.28	0.14	0.26
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	16	0.28	0.14	0.26
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	16	0.26	0.05	0.26
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	16	0.26	0.05	0.26
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	16	0.26	0.05	0.26
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	16	0.26	0.11	0.26
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	16	0.25	0.01	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	16	0.25	0.01	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	16	0.25	0.01	0.25
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	16	0.23	0.06	0.25
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	16	0.23	0.06	0.25
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	16	0.23	0.06	0.25
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	16	0.23	0.07	0.22
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	16	0.23	0.09	0.22
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	16	0.23	0.09	0.22
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	16	0.19	0.01	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	16	0.19	0.01	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	16	0.19	0.01	0.19
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	16	0.16	0.01	0.16
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	16	0.16	0.03	0.16
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	16	0.12	0.0	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	16	0.12	0.0	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	16	0.12	0.0	0.12
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	15	3.07	1.52	3.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	15	2.48	0.75	2.43
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	15	2.48	0.75	2.43
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	15	2.48	0.75	2.43
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	15	2.01	0.91	2.37
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	15	1.83	1.02	1.83
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	15	1.64	0.74	1.72
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	15	1.64	1.5	0.88
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	15	1.64	1.5	0.88
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	15	1.64	1.5	0.88
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	15	1.64	1.5	0.88
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	15	1.64	1.5	0.88
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	15	1.64	1.5	0.88
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	15	1.64	1.5	0.88
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	15	1.64	1.5	0.88
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	15	1.64	1.5	0.88
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	15	1.57	0.77	1.91
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	15	1.57	0.77	1.91
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	15	1.57	0.77	1.91
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	15	1.49	0.45	1.41
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	15	1.47	0.79	1.51
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	15	1.47	0.79	1.51
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	15	1.47	0.79	1.51
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	15	1.34	0.55	1.3
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	15	1.01	0.96	0.42
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	15	0.98	0.27	1.08
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	15	0.96	0.74	0.63
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	15	0.91	0.63	0.75
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	15	0.91	0.63	0.75
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	15	0.91	0.63	0.75
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	15	0.87	0.45	0.94
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	15	0.8	0.21	0.89
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	15	0.73	0.31	0.82
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	15	0.73	0.31	0.82
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	15	0.73	0.31	0.82
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	15	0.73	0.39	0.64
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	15	0.62	0.46	0.51
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	15	0.6	0.01	0.6
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	15	0.52	0.21	0.57
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	15	0.4	0.12	0.4
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	15	0.4	0.12	0.4
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	15	0.4	0.12	0.4
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	15	0.38	0.38	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	15	0.38	0.38	0.3
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	15	0.38	0.38	0.3
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	15	0.38	0.12	0.4
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	15	0.37	0.06	0.38
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	15	0.32	0.09	0.31
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	15	0.28	0.09	0.28
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	15	0.28	0.09	0.28
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	15	0.28	0.09	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	15	0.28	0.07	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	15	0.28	0.07	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	15	0.28	0.07	0.28
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	15	0.28	0.09	0.27
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	15	0.28	0.09	0.27
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	15	0.25	0.08	0.24
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	15	0.24	0.09	0.2
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	15	0.24	0.09	0.2
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	15	0.24	0.09	0.2
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	15	0.2	0.03	0.19
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	15	0.19	0.03	0.19
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	15	0.18	0.1	0.15
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	15	0.16	0.02	0.15
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	15	0.15	0.03	0.14
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	15	0.15	0.01	0.15
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	15	0.13	0.02	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	15	0.13	0.02	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	15	0.13	0.02	0.13
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	15	0.13	0.02	0.12
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	15	0.13	0.02	0.12
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	15	0.13	0.02	0.12
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	15	0.1	0.0	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	15	0.1	0.0	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	15	0.1	0.0	0.1
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	14	3.09	1.21	3.08
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	14	2.97	1.25	3.46
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	14	2.3	1.11	2.36
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	14	2.3	1.11	2.36
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	14	2.3	1.11	2.36
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	14	1.9	1.42	1.58
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	14	1.49	0.77	1.34
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	14	1.09	0.64	1.42
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	14	1.07	0.21	1.08
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	14	0.97	0.35	0.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	14	0.95	0.47	0.92
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	14	0.95	0.47	0.92
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	14	0.95	0.47	0.92
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	14	0.95	0.47	0.92
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	14	0.95	0.47	0.92
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	14	0.95	0.47	0.92
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	14	0.95	0.47	0.92
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	14	0.95	0.47	0.92
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	14	0.95	0.47	0.92
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	14	0.94	0.5	1.1
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	14	0.93	0.38	0.87
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	14	0.93	0.38	0.87
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	14	0.93	0.38	0.87
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	14	0.9	0.41	0.81
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	14	0.88	0.45	0.86
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	14	0.88	0.45	0.86
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	14	0.88	0.45	0.86
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	14	0.86	0.41	0.73
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	14	0.82	0.38	0.88
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	14	0.66	0.62	0.23
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	14	0.62	0.03	0.63
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	14	0.56	0.2	0.48
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	14	0.51	0.15	0.44
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	14	0.5	0.18	0.51
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	14	0.5	0.18	0.51
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	14	0.5	0.18	0.51
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	14	0.44	0.21	0.49
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	14	0.43	0.21	0.42
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	14	0.41	0.25	0.38
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	14	0.37	0.15	0.36
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	14	0.36	0.17	0.36
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	14	0.36	0.17	0.36
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	14	0.35	0.03	0.36
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	14	0.33	0.08	0.31
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	14	0.33	0.08	0.31
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	14	0.28	0.12	0.26
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	14	0.28	0.12	0.26
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	14	0.28	0.12	0.26
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	14	0.28	0.05	0.3
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	14	0.28	0.05	0.3
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	14	0.28	0.05	0.3
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	14	0.28	0.18	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	14	0.28	0.07	0.26
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	14	0.27	0.14	0.23
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	14	0.26	0.13	0.23
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	14	0.25	0.07	0.26
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	14	0.25	0.11	0.24
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	14	0.24	0.08	0.26
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	14	0.24	0.08	0.26
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	14	0.24	0.08	0.26
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	14	0.2	0.05	0.2
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	14	0.2	0.05	0.2
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	14	0.2	0.05	0.2
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	14	0.19	0.03	0.18
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	14	0.19	0.03	0.18
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	14	0.15	0.03	0.14
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	14	0.14	0.01	0.15
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	14	0.12	0.01	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	14	0.11	0.01	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	14	0.11	0.01	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	14	0.11	0.01	0.11
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	13	1.85	1.07	1.63
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	13	1.85	1.07	1.63
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	13	1.85	1.07	1.63
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	13	1.29	1.21	0.7
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	13	1.29	1.21	0.7
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	13	1.29	1.21	0.7
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	13	1.12	0.5	0.99
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	13	1.12	0.5	0.99
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	13	1.12	0.5	0.99
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	13	0.94	0.76	1.04
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	13	0.68	0.0	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	13	0.68	0.0	0.68
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	13	0.67	0.23	0.75
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	13	0.62	0.03	0.6
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	13	0.58	0.23	0.53
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	13	0.57	0.02	0.58
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	13	0.5	0.14	0.57
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	13	0.43	0.18	0.38
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	13	0.4	0.06	0.42
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	13	0.33	0.18	0.34
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	13	0.33	0.18	0.34
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	13	0.33	0.18	0.34
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	13	0.33	0.03	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	13	0.28	0.13	0.25
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	13	0.24	0.07	0.22
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	13	0.23	0.08	0.2
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	13	0.23	0.08	0.2
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	13	0.23	0.08	0.2
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	13	0.18	0.04	0.18
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	13	0.18	0.04	0.18
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	13	0.17	0.04	0.17
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	13	0.17	0.04	0.17
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	13	0.14	0.02	0.14
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	13	0.14	0.02	0.14
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	13	0.14	0.02	0.14
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	13	0.13	0.02	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	13	0.13	0.02	0.12
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	13	0.13	0.01	0.13
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	12	3.17	2.61	2.94
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	12	0.88	0.35	1.03
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	12	0.74	0.16	0.74
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	12	0.68	0.35	0.64
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	12	0.68	0.35	0.64
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	12	0.66	0.42	0.64
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	12	0.66	0.1	0.66
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	12	0.57	0.09	0.6
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	12	0.53	0.11	0.52
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	12	0.52	0.39	0.24
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	12	0.52	0.39	0.24
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	12	0.52	0.39	0.24
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	12	0.49	0.3	0.45
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	12	0.49	0.3	0.45
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	12	0.49	0.4	0.35
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	12	0.49	0.4	0.35
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	12	0.49	0.4	0.35
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	12	0.44	0.1	0.44
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	12	0.44	0.1	0.44
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	12	0.43	0.26	0.45
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	12	0.42	0.39	0.18
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	12	0.42	0.26	0.4
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	12	0.41	0.38	0.28
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	12	0.41	0.38	0.28
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	12	0.34	0.13	0.4
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	12	0.34	0.13	0.4
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	12	0.32	0.14	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	12	0.32	0.14	0.31
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	12	0.32	0.14	0.31
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	12	0.29	0.16	0.23
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	12	0.25	0.06	0.24
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	12	0.23	0.16	0.14
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	12	0.23	0.16	0.14
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	12	0.23	0.16	0.14
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	12	0.23	0.05	0.24
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	12	0.23	0.05	0.24
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	12	0.23	0.05	0.24
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	12	0.23	0.09	0.2
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	12	0.22	0.05	0.23
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	12	0.21	0.03	0.21
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	12	0.21	0.03	0.21
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	12	0.21	0.03	0.21
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	12	0.19	0.04	0.19
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	12	0.19	0.04	0.19
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	12	0.18	0.07	0.16
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	12	0.18	0.0	0.18
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	12	0.18	0.02	0.18
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	12	0.18	0.02	0.18
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	12	0.18	0.02	0.18
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	12	0.17	0.03	0.17
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	12	0.16	0.08	0.12
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	12	0.16	0.05	0.15
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	12	0.16	0.05	0.15
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	12	0.16	0.05	0.15
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	12	0.15	0.04	0.14
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	12	0.15	0.04	0.14
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	12	0.14	0.02	0.14
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	12	0.14	0.02	0.14
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	12	0.14	0.02	0.14
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	12	0.11	0.01	0.11
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	11	1.18	1.37	0.22
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	11	1.1	0.5	1.12
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	11	1.0	0.73	0.87
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	11	0.8	0.64	0.51
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	11	0.79	0.37	0.66
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	11	0.79	0.37	0.66
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	11	0.79	0.37	0.66
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	11	0.73	0.12	0.72
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	11	0.61	0.18	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	11	0.59	0.01	0.59
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	11	0.57	0.01	0.57
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	11	0.55	0.55	0.18
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	11	0.54	0.35	0.33
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	11	0.54	0.35	0.33
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	11	0.51	0.18	0.58
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	11	0.5	0.29	0.53
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	11	0.46	0.22	0.46
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	11	0.43	0.3	0.41
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	11	0.36	0.01	0.37
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	11	0.36	0.01	0.37
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	11	0.36	0.1	0.39
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	11	0.36	0.1	0.39
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	11	0.36	0.1	0.39
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	11	0.35	0.25	0.23
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	11	0.33	0.13	0.29
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	11	0.33	0.13	0.29
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	11	0.33	0.13	0.29
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	11	0.32	0.04	0.33
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	11	0.31	0.17	0.25
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	11	0.29	0.03	0.3
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	11	0.29	0.07	0.31
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	11	0.29	0.13	0.26
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	11	0.29	0.13	0.26
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	11	0.29	0.13	0.26
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	11	0.29	0.17	0.24
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	11	0.25	0.17	0.17
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	11	0.22	0.04	0.2
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	11	0.21	0.04	0.21
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	11	0.2	0.06	0.18
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	11	0.16	0.03	0.16
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	11	0.14	0.02	0.13
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	11	0.12	0.02	0.12
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	11	0.12	0.02	0.12
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	10	2.83	1.72	3.8
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	10	2.83	1.72	3.8
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	10	2.83	1.72	3.8
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	10	2.83	1.72	3.8
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	10	2.83	1.72	3.8
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	10	2.83	1.72	3.8
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	10	2.83	1.72	3.8
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	10	2.83	1.72	3.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	10	2.83	1.72	3.8
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	10	1.43	0.13	1.45
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	10	1.16	0.06	1.17
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	10	1.16	0.06	1.17
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	10	1.16	0.06	1.17
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	10	1.11	0.49	1.14
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	10	0.93	0.13	0.98
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	10	0.8	0.88	0.29
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	10	0.8	0.88	0.29
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	10	0.8	0.88	0.29
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	10	0.78	0.81	0.2
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	10	0.73	0.19	0.72
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	10	0.73	0.19	0.72
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	10	0.73	0.19	0.72
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	10	0.72	0.08	0.71
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	10	0.65	0.5	0.4
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	10	0.65	0.5	0.4
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	10	0.65	0.5	0.4
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	10	0.64	0.29	0.48
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	10	0.61	0.16	0.7
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	10	0.61	0.16	0.7
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	10	0.52	0.4	0.34
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	10	0.49	0.09	0.5
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	10	0.43	0.37	0.24
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	10	0.38	0.04	0.4
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	10	0.35	0.28	0.23
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	10	0.35	0.28	0.23
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	10	0.35	0.28	0.23
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	10	0.35	0.28	0.23
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	10	0.35	0.28	0.23
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	10	0.35	0.28	0.23
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	10	0.33	0.27	0.18
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	10	0.29	0.11	0.32
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	10	0.29	0.07	0.29
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	10	0.29	0.07	0.29
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	10	0.29	0.07	0.29
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	10	0.29	0.04	0.28
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	10	0.25	0.07	0.28
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	10	0.22	0.09	0.23
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	10	0.22	0.09	0.23
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	10	0.22	0.09	0.23
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	10	0.21	0.21	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	10	0.21	0.01	0.21
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	10	0.21	0.01	0.21
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	10	0.21	0.07	0.2
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	10	0.2	0.1	0.16
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	10	0.19	0.06	0.16
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	10	0.18	0.03	0.18
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	10	0.17	0.04	0.16
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	10	0.17	0.04	0.16
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	10	0.17	0.04	0.16
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	10	0.17	0.04	0.16
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	10	0.16	0.03	0.16
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	10	0.16	0.03	0.16
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	10	0.16	0.01	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	10	0.16	0.04	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	10	0.16	0.04	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	10	0.16	0.04	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	10	0.16	0.04	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	10	0.16	0.04	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	10	0.16	0.04	0.17
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	10	0.15	0.04	0.14
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	10	0.15	0.04	0.14
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	10	0.15	0.04	0.14
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	10	0.15	0.04	0.14
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	10	0.15	0.04	0.14
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	10	0.15	0.04	0.14
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	10	0.15	0.04	0.14
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	10	0.15	0.04	0.14
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	10	0.15	0.04	0.14
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	10	0.14	0.02	0.13
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	10	0.14	0.03	0.12
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	10	0.14	0.03	0.12
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	10	0.13	0.02	0.14
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	10	0.13	0.02	0.14
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	10	0.13	0.02	0.13
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	10	0.13	0.01	0.13
(2,2937)	1:68:A:ARG:HB2	1:69:A:ILE:H	9	1.04	0.11	1.06
(2,2802)	1:147:A:VAL:HA	1:148:A:VAL:HB	9	0.96	0.03	0.96
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG11	9	0.94	0.81	0.56
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG12	9	0.94	0.81	0.56
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG13	9	0.94	0.81	0.56
(2,2723)	1:51:A:MET:HB3	1:49:A:MET:HG3	9	0.84	0.24	0.78
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE1	9	0.83	0.16	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE2	9	0.83	0.16	0.78
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE3	9	0.83	0.16	0.78
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE1	9	0.82	0.29	0.82
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE2	9	0.82	0.29	0.82
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE3	9	0.82	0.29	0.82
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD2	9	0.81	0.57	0.74
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD3	9	0.81	0.57	0.74
(3,44)	1:39:A:ARG:HG3	1:31:A:ARG:HD3	9	0.81	0.57	0.74
(2,1109)	1:80:A:ARG:HG3	1:81:A:THR:H	9	0.81	0.33	0.99
(2,1263)	1:118:A:GLY:H	1:115:A:LYS:HB2	9	0.73	0.37	0.92
(2,3054)	1:80:A:ARG:HG3	1:81:A:THR:H	9	0.69	0.3	0.86
(2,1161)	1:49:A:MET:H	1:49:A:MET:HG2	9	0.57	0.14	0.67
(2,327)	1:68:A:ARG:HB2	1:69:A:ILE:H	9	0.55	0.11	0.57
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB1	9	0.54	0.14	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB2	9	0.54	0.14	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB3	9	0.54	0.14	0.64
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD11	9	0.48	0.31	0.35
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD12	9	0.48	0.31	0.35
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD13	9	0.48	0.31	0.35
(2,1594)	1:173:A:SER:HA	1:174:A:GLY:H	9	0.47	0.2	0.54
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG21	9	0.46	0.52	0.27
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG22	9	0.46	0.52	0.27
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG23	9	0.46	0.52	0.27
(2,2470)	1:69:A:ILE:HB	1:72:A:ARG:HG2	9	0.41	0.5	0.14
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE1	9	0.38	0.1	0.34
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE2	9	0.38	0.1	0.34
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE3	9	0.38	0.1	0.34
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB1	9	0.32	0.05	0.31
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB2	9	0.32	0.05	0.31
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB3	9	0.32	0.05	0.31
(2,2106)	1:24:A:GLY:HA3	1:24:A:GLY:H	9	0.3	0.06	0.29
(2,3122)	1:94:A:ARG:HG2	1:94:A:ARG:HA	9	0.29	0.06	0.3
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD2	9	0.27	0.06	0.29
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD3	9	0.27	0.06	0.29
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE2	9	0.2	0.05	0.22
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE3	9	0.2	0.05	0.22
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB1	9	0.2	0.05	0.2
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB2	9	0.2	0.05	0.2
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB3	9	0.2	0.05	0.2
(2,423)	1:76:A:ASN:H	1:77:A:LEU:H	9	0.17	0.06	0.16
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE1	9	0.16	0.09	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE2	9	0.16	0.09	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE3	9	0.16	0.09	0.12
(1,315)	1:27:A:ILE:HD11	1:58:A:GLU:HB3	9	0.16	0.03	0.14
(1,315)	1:27:A:ILE:HD12	1:58:A:GLU:HB3	9	0.16	0.03	0.14
(1,315)	1:27:A:ILE:HD13	1:58:A:GLU:HB3	9	0.16	0.03	0.14
(2,1390)	1:148:A:VAL:HA	1:81:A:THR:HB	9	0.15	0.06	0.14
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA3	8	1.77	1.14	1.48
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA2	8	1.77	1.14	1.48
(2,1028)	1:125:A:VAL:HG21	1:139:A:GLU:H	8	1.63	0.12	1.64
(2,1028)	1:125:A:VAL:HG22	1:139:A:GLU:H	8	1.63	0.12	1.64
(2,1028)	1:125:A:VAL:HG23	1:139:A:GLU:H	8	1.63	0.12	1.64
(2,1222)	1:125:A:VAL:HG21	1:140:A:GLY:H	8	1.59	0.12	1.63
(2,1222)	1:125:A:VAL:HG22	1:140:A:GLY:H	8	1.59	0.12	1.63
(2,1222)	1:125:A:VAL:HG23	1:140:A:GLY:H	8	1.59	0.12	1.63
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG11	8	1.56	0.1	1.6
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG12	8	1.56	0.1	1.6
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG13	8	1.56	0.1	1.6
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG21	8	1.32	0.5	1.3
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG22	8	1.32	0.5	1.3
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG23	8	1.32	0.5	1.3
(2,325)	1:63:A:ASP:HB3	1:69:A:ILE:H	8	0.96	0.63	0.84
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG21	8	0.95	0.12	1.0
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG22	8	0.95	0.12	1.0
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG23	8	0.95	0.12	1.0
(2,3113)	1:26:A:ARG:HG3	1:25:A:LYS:H	8	0.94	0.46	0.9
(2,1326)	1:92:A:THR:HB	1:94:A:ARG:HD2	8	0.94	0.28	0.94
(2,2942)	1:162:A:ARG:HB2	1:163:A:GLY:H	8	0.93	0.21	0.86
(2,762)	1:125:A:VAL:HG11	1:109:A:THR:H	8	0.88	0.15	0.92
(2,762)	1:125:A:VAL:HG12	1:109:A:THR:H	8	0.88	0.15	0.92
(2,762)	1:125:A:VAL:HG13	1:109:A:THR:H	8	0.88	0.15	0.92
(2,3188)	1:21:A:LEU:HD21	1:23:A:THR:H	8	0.8	0.54	0.76
(2,3188)	1:21:A:LEU:HD22	1:23:A:THR:H	8	0.8	0.54	0.76
(2,3188)	1:21:A:LEU:HD23	1:23:A:THR:H	8	0.8	0.54	0.76
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA2	8	0.77	0.15	0.82
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA3	8	0.77	0.15	0.82
(2,2597)	1:142:A:LYS:HB2	1:145:A:GLN:HG2	8	0.76	0.42	0.62
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG21	8	0.6	0.02	0.6
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG22	8	0.6	0.02	0.6
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG23	8	0.6	0.02	0.6
(1,357)	1:53:A:LEU:HD11	1:47:A:PRO:HD2	8	0.56	0.12	0.55
(1,357)	1:53:A:LEU:HD12	1:47:A:PRO:HD2	8	0.56	0.12	0.55
(1,357)	1:53:A:LEU:HD13	1:47:A:PRO:HD2	8	0.56	0.12	0.55
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE1	8	0.53	0.43	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE2	8	0.53	0.43	0.37
(2,3448)	1:127:A:ALA:HB1	1:135:A:SER:HB2	8	0.46	0.18	0.44
(2,3448)	1:127:A:ALA:HB2	1:135:A:SER:HB2	8	0.46	0.18	0.44
(2,3448)	1:127:A:ALA:HB3	1:135:A:SER:HB2	8	0.46	0.18	0.44
(2,372)	1:75:A:GLN:H	1:74:A:THR:H	8	0.45	0.24	0.47
(2,3029)	1:115:A:LYS:H	1:115:A:LYS:HD2	8	0.45	0.15	0.44
(2,744)	1:79:A:VAL:H	1:80:A:ARG:HB2	8	0.44	0.28	0.29
(1,474)	1:39:A:ARG:H	1:38:A:GLN:HE22	8	0.36	0.17	0.35
(2,1987)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	8	0.31	0.07	0.34
(2,1746)	1:73:A:VAL:H	1:72:A:ARG:HA	8	0.29	0.11	0.29
(1,140)	1:60:A:GLU:H	1:59:A:GLU:HA	8	0.29	0.09	0.33
(1,601)	1:49:A:MET:H	1:49:A:MET:HG3	8	0.28	0.07	0.3
(2,981)	1:90:A:GLY:H	1:92:A:THR:H	8	0.23	0.06	0.24
(1,261)	1:58:A:GLU:HG3	1:60:A:GLU:H	8	0.22	0.03	0.22
(2,2460)	1:77:A:LEU:H	1:76:A:ASN:HB3	8	0.2	0.09	0.16
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG3	8	0.2	0.08	0.2
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG2	8	0.2	0.08	0.2
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE1	8	0.18	0.06	0.16
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE2	8	0.18	0.06	0.16
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE3	8	0.18	0.06	0.16
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE1	8	0.18	0.06	0.16
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE2	8	0.18	0.06	0.16
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE3	8	0.18	0.06	0.16
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE1	8	0.18	0.06	0.16
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE2	8	0.18	0.06	0.16
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE3	8	0.18	0.06	0.16
(2,1215)	1:140:A:GLY:H	1:141:A:LEU:HA	8	0.18	0.08	0.16
(2,2650)	1:126:A:LYS:HB2	1:125:A:VAL:HB	8	0.16	0.06	0.13
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG3	8	0.15	0.05	0.13
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG2	8	0.15	0.05	0.13
(2,1327)	1:173:A:SER:H	1:172:A:THR:HB	8	0.15	0.05	0.13
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD1	8	0.14	0.02	0.14
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD2	8	0.14	0.02	0.14
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD1	8	0.14	0.02	0.14
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD2	8	0.14	0.02	0.14
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD1	8	0.14	0.02	0.14
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD2	8	0.14	0.02	0.14
(2,2210)	1:121:A:ASP:HB2	1:122:A:PRO:HD3	8	0.14	0.02	0.13
(2,429)	1:67:A:VAL:HG21	1:165:A:VAL:H	7	1.51	1.03	2.14
(2,429)	1:67:A:VAL:HG22	1:165:A:VAL:H	7	1.51	1.03	2.14
(2,429)	1:67:A:VAL:HG23	1:165:A:VAL:H	7	1.51	1.03	2.14
(2,2995)	1:86:A:LEU:H	1:85:A:LYS:HD3	7	1.35	0.26	1.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3002)	1:85:A:LYS:HA	1:85:A:LYS:HD3	7	1.32	0.01	1.32
(2,1417)	1:98:A:PRO:HA	1:135:A:SER:HB3	7	0.83	0.11	0.82
(3,117)	1:62:A:ALA:HB1	1:60:A:GLU:H	7	0.78	0.25	0.91
(3,117)	1:62:A:ALA:HB2	1:60:A:GLU:H	7	0.78	0.25	0.91
(3,117)	1:62:A:ALA:HB3	1:60:A:GLU:H	7	0.78	0.25	0.91
(1,410)	1:49:A:MET:HE1	1:49:A:MET:HG3	7	0.7	0.25	0.8
(1,410)	1:49:A:MET:HE2	1:49:A:MET:HG3	7	0.7	0.25	0.8
(1,410)	1:49:A:MET:HE3	1:49:A:MET:HG3	7	0.7	0.25	0.8
(2,2936)	1:68:A:ARG:H	1:68:A:ARG:HB2	7	0.65	0.19	0.69
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD11	7	0.63	0.35	0.56
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD12	7	0.63	0.35	0.56
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD13	7	0.63	0.35	0.56
(2,447)	1:62:A:ALA:HB1	1:60:A:GLU:H	7	0.6	0.25	0.72
(2,447)	1:62:A:ALA:HB2	1:60:A:GLU:H	7	0.6	0.25	0.72
(2,447)	1:62:A:ALA:HB3	1:60:A:GLU:H	7	0.6	0.25	0.72
(1,519)	1:35:A:VAL:H	1:34:A:MET:HB2	7	0.53	0.31	0.77
(2,1591)	1:91:A:SER:HB2	1:91:A:SER:HA	7	0.51	0.0	0.51
(2,2940)	1:167:A:ARG:H	1:167:A:ARG:HB2	7	0.48	0.12	0.47
(1,176)	1:52:A:PRO:HD2	1:51:A:MET:HA	7	0.44	0.02	0.45
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	7	0.43	0.03	0.42
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	7	0.43	0.03	0.42
(2,2213)	1:121:A:ASP:HB2	1:115:A:LYS:HD3	7	0.43	0.24	0.46
(2,1038)	1:21:A:LEU:HB3	1:23:A:THR:H	7	0.41	0.24	0.41
(2,418)	1:75:A:GLN:H	1:75:A:GLN:HB3	7	0.4	0.23	0.33
(2,2803)	1:81:A:THR:HA	1:148:A:VAL:HB	7	0.4	0.14	0.43
(2,2098)	1:175:A:LEU:H	1:174:A:GLY:HA2	7	0.4	0.06	0.41
(2,2452)	1:61:A:ASN:HB2	1:63:A:ASP:H	7	0.39	0.16	0.36
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD2	7	0.36	0.22	0.31
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD3	7	0.36	0.22	0.31
(2,831)	1:104:A:ARG:HD3	1:105:A:THR:H	7	0.36	0.06	0.36
(3,151)	1:53:A:LEU:HD21	1:49:A:MET:H	7	0.33	0.3	0.19
(3,151)	1:53:A:LEU:HD22	1:49:A:MET:H	7	0.33	0.3	0.19
(3,151)	1:53:A:LEU:HD23	1:49:A:MET:H	7	0.33	0.3	0.19
(2,1881)	1:52:A:PRO:HD2	1:51:A:MET:HA	7	0.32	0.02	0.33
(2,1175)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	7	0.3	0.02	0.3
(2,1072)	1:137:A:ILE:HB	1:141:A:LEU:H	7	0.29	0.14	0.27
(2,2028)	1:149:A:VAL:HG21	1:98:A:PRO:HD2	7	0.27	0.1	0.26
(2,2028)	1:149:A:VAL:HG22	1:98:A:PRO:HD2	7	0.27	0.1	0.26
(2,2028)	1:149:A:VAL:HG23	1:98:A:PRO:HD2	7	0.27	0.1	0.26
(2,2778)	1:55:A:PRO:HB3	1:27:A:ILE:HG12	7	0.26	0.14	0.2
(2,2778)	1:55:A:PRO:HB2	1:27:A:ILE:HG12	7	0.26	0.14	0.2
(1,491)	1:60:A:GLU:HA	1:60:A:GLU:H	7	0.25	0.04	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2112)	1:78:A:GLY:HA3	1:79:A:VAL:HB	7	0.24	0.07	0.29
(2,2112)	1:78:A:GLY:HA2	1:79:A:VAL:HB	7	0.24	0.07	0.29
(2,1897)	1:143:A:ALA:HA	1:85:A:LYS:HG2	7	0.23	0.11	0.17
(2,2557)	1:86:A:LEU:H	1:85:A:LYS:HB2	7	0.21	0.07	0.21
(2,3128)	1:68:A:ARG:HA	1:68:A:ARG:HG3	7	0.21	0.08	0.19
(2,610)	1:51:A:MET:H	1:45:A:LYS:HA	7	0.19	0.07	0.18
(1,216)	1:39:A:ARG:HD2	1:39:A:ARG:HA	7	0.19	0.05	0.2
(2,1943)	1:27:A:ILE:HB	1:62:A:ALA:HA	7	0.16	0.08	0.14
(2,444)	1:60:A:GLU:HA	1:60:A:GLU:H	7	0.16	0.04	0.18
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE1	7	0.16	0.06	0.13
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE2	7	0.16	0.06	0.13
(2,1584)	1:104:A:ARG:HD3	1:105:A:THR:HA	7	0.16	0.02	0.15
(2,1584)	1:104:A:ARG:HD2	1:105:A:THR:HA	7	0.16	0.02	0.15
(1,408)	1:49:A:MET:HE1	1:48:A:TYR:HA	7	0.15	0.03	0.15
(1,408)	1:49:A:MET:HE2	1:48:A:TYR:HA	7	0.15	0.03	0.15
(1,408)	1:49:A:MET:HE3	1:48:A:TYR:HA	7	0.15	0.03	0.15
(1,340)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	7	0.14	0.0	0.14
(2,723)	1:145:A:GLN:H	1:146:A:GLN:H	7	0.14	0.02	0.14
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD11	6	1.55	0.34	1.69
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD12	6	1.55	0.34	1.69
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD13	6	1.55	0.34	1.69
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD11	6	1.35	0.34	1.49
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD12	6	1.35	0.34	1.49
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD13	6	1.35	0.34	1.49
(2,333)	1:63:A:ASP:HB2	1:66:A:ALA:H	6	1.0	0.39	1.04
(1,290)	1:46:A:SER:HB2	1:51:A:MET:HG2	6	0.81	0.17	0.88
(2,3526)	1:49:A:MET:HE1	1:49:A:MET:HG3	6	0.8	0.02	0.8
(2,3526)	1:49:A:MET:HE2	1:49:A:MET:HG3	6	0.8	0.02	0.8
(2,3526)	1:49:A:MET:HE3	1:49:A:MET:HG3	6	0.8	0.02	0.8
(1,382)	1:56:A:VAL:HG11	1:31:A:ARG:HD3	6	0.8	0.5	0.72
(1,382)	1:56:A:VAL:HG12	1:31:A:ARG:HD3	6	0.8	0.5	0.72
(1,382)	1:56:A:VAL:HG13	1:31:A:ARG:HD3	6	0.8	0.5	0.72
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD21	6	0.68	0.21	0.78
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD22	6	0.68	0.21	0.78
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD23	6	0.68	0.21	0.78
(3,124)	1:49:A:MET:HB2	1:50:A:ASP:H	6	0.6	0.08	0.62
(2,2815)	1:118:A:GLY:H	1:115:A:LYS:HB2	6	0.56	0.16	0.54
(2,771)	1:49:A:MET:HB2	1:50:A:ASP:H	6	0.49	0.08	0.52
(2,1020)	1:139:A:GLU:H	1:139:A:GLU:HG3	6	0.47	0.18	0.54
(2,3237)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	6	0.42	0.21	0.57
(2,3006)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	6	0.4	0.21	0.55
(3,43)	1:24:A:GLY:HA3	1:25:A:LYS:HD3	6	0.39	0.29	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	6	0.39	0.29	0.28
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	6	0.39	0.29	0.28
(2,1331)	1:172:A:THR:H	1:172:A:THR:HB	6	0.38	0.12	0.41
(2,1995)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	6	0.37	0.05	0.4
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE1	6	0.35	0.18	0.36
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE2	6	0.35	0.18	0.36
(2,322)	1:68:A:ARG:HA	1:69:A:ILE:H	6	0.32	0.32	0.19
(2,2288)	1:39:A:ARG:HB2	1:39:A:ARG:HD3	6	0.31	0.01	0.3
(2,421)	1:22:A:LYS:H	1:22:A:LYS:HB2	6	0.3	0.12	0.32
(2,697)	1:19:A:ALA:HB1	1:20:A:GLU:H	6	0.26	0.08	0.29
(2,697)	1:19:A:ALA:HB2	1:20:A:GLU:H	6	0.26	0.08	0.29
(2,697)	1:19:A:ALA:HB3	1:20:A:GLU:H	6	0.26	0.08	0.29
(2,1751)	1:60:A:GLU:H	1:59:A:GLU:HA	6	0.23	0.03	0.23
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD21	6	0.23	0.05	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD22	6	0.23	0.05	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD23	6	0.23	0.05	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD11	6	0.23	0.05	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD12	6	0.23	0.05	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD13	6	0.23	0.05	0.22
(1,343)	1:26:A:ARG:H	1:26:A:ARG:HG2	6	0.23	0.04	0.24
(2,1162)	1:48:A:TYR:HB3	1:49:A:MET:H	6	0.22	0.08	0.2
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG3	6	0.21	0.01	0.21
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG2	6	0.21	0.01	0.21
(2,549)	1:149:A:VAL:HG21	1:83:A:GLU:H	6	0.2	0.09	0.16
(2,549)	1:149:A:VAL:HG22	1:83:A:GLU:H	6	0.2	0.09	0.16
(2,549)	1:149:A:VAL:HG23	1:83:A:GLU:H	6	0.2	0.09	0.16
(1,553)	1:50:A:ASP:HB2	1:50:A:ASP:H	6	0.2	0.08	0.17
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD11	6	0.2	0.09	0.18
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD12	6	0.2	0.09	0.18
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD13	6	0.2	0.09	0.18
(2,3553)	1:19:A:ALA:HB1	1:19:A:ALA:H	6	0.17	0.05	0.17
(2,3553)	1:19:A:ALA:HB2	1:19:A:ALA:H	6	0.17	0.05	0.17
(2,3553)	1:19:A:ALA:HB3	1:19:A:ALA:H	6	0.17	0.05	0.17
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE1	6	0.17	0.04	0.16
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE2	6	0.17	0.04	0.16
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE3	6	0.17	0.04	0.16
(2,508)	1:168:A:MET:H	1:167:A:ARG:HA	6	0.17	0.04	0.18
(2,1076)	1:123:A:VAL:HG21	1:141:A:LEU:H	6	0.16	0.04	0.15
(2,1076)	1:123:A:VAL:HG22	1:141:A:LEU:H	6	0.16	0.04	0.15
(2,1076)	1:123:A:VAL:HG23	1:141:A:LEU:H	6	0.16	0.04	0.15
(2,1076)	1:123:A:VAL:HG11	1:141:A:LEU:H	6	0.16	0.04	0.15
(2,1076)	1:123:A:VAL:HG12	1:141:A:LEU:H	6	0.16	0.04	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1076)	1:123:A:VAL:HG13	1:141:A:LEU:H	6	0.16	0.04	0.15
(2,340)	1:121:A:ASP:HB3	1:121:A:ASP:H	6	0.16	0.03	0.16
(2,1791)	1:108:A:ARG:HA	1:109:A:THR:H	6	0.15	0.03	0.16
(2,980)	1:93:A:GLU:H	1:92:A:THR:H	6	0.15	0.02	0.15
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE1	6	0.15	0.05	0.13
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE2	6	0.15	0.05	0.13
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE3	6	0.15	0.05	0.13
(1,236)	1:57:A:TYR:H	1:57:A:TYR:HB2	6	0.14	0.02	0.14
(2,3246)	1:85:A:LYS:H	1:85:A:LYS:HG3	6	0.12	0.01	0.12
(2,3424)	1:123:A:VAL:HG21	1:124:A:GLU:H	5	1.51	0.03	1.5
(2,3424)	1:123:A:VAL:HG22	1:124:A:GLU:H	5	1.51	0.03	1.5
(2,3424)	1:123:A:VAL:HG23	1:124:A:GLU:H	5	1.51	0.03	1.5
(3,152)	1:53:A:LEU:H	1:46:A:SER:HB2	5	1.36	0.1	1.39
(2,804)	1:46:A:SER:HB2	1:54:A:ILE:H	5	1.33	0.12	1.33
(2,714)	1:97:A:VAL:HB	1:101:A:ALA:H	5	1.16	0.45	1.35
(2,174)	1:123:A:VAL:HG21	1:124:A:GLU:H	5	1.12	0.03	1.11
(2,174)	1:123:A:VAL:HG22	1:124:A:GLU:H	5	1.12	0.03	1.11
(2,174)	1:123:A:VAL:HG23	1:124:A:GLU:H	5	1.12	0.03	1.11
(2,3479)	1:123:A:VAL:HG11	1:137:A:ILE:HG13	5	1.11	0.27	1.1
(2,3479)	1:123:A:VAL:HG12	1:137:A:ILE:HG13	5	1.11	0.27	1.1
(2,3479)	1:123:A:VAL:HG13	1:137:A:ILE:HG13	5	1.11	0.27	1.1
(2,2375)	1:32:A:ASP:HB3	1:34:A:MET:HB2	5	1.04	0.28	0.94
(2,2373)	1:32:A:ASP:HB3	1:35:A:VAL:HB	5	1.01	0.4	1.24
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB1	5	1.01	0.2	0.92
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB2	5	1.01	0.2	0.92
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB3	5	1.01	0.2	0.92
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB1	5	1.01	0.2	0.92
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB2	5	1.01	0.2	0.92
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB3	5	1.01	0.2	0.92
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB1	5	1.01	0.2	0.92
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB2	5	1.01	0.2	0.92
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB3	5	1.01	0.2	0.92
(2,1430)	1:73:A:VAL:HA	1:74:A:THR:H	5	0.99	0.32	1.14
(2,2387)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	5	0.99	0.27	1.07
(2,2387)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	5	0.99	0.27	1.07
(2,2387)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	5	0.99	0.27	1.07
(2,2700)	1:35:A:VAL:HG21	1:34:A:MET:HB2	5	0.94	0.29	1.06
(2,2700)	1:35:A:VAL:HG22	1:34:A:MET:HB2	5	0.94	0.29	1.06
(2,2700)	1:35:A:VAL:HG23	1:34:A:MET:HB2	5	0.94	0.29	1.06
(2,3432)	1:123:A:VAL:HG11	1:123:A:VAL:H	5	0.93	0.03	0.93
(2,3432)	1:123:A:VAL:HG12	1:123:A:VAL:H	5	0.93	0.03	0.93
(2,3432)	1:123:A:VAL:HG13	1:123:A:VAL:H	5	0.93	0.03	0.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG11	5	0.69	0.3	0.78
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG12	5	0.69	0.3	0.78
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG13	5	0.69	0.3	0.78
(2,3238)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	5	0.59	0.0	0.59
(2,578)	1:35:A:VAL:H	1:34:A:MET:HB2	5	0.58	0.18	0.66
(2,3007)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	5	0.57	0.0	0.57
(2,743)	1:77:A:LEU:HB3	1:79:A:VAL:H	5	0.56	0.27	0.65
(2,117)	1:123:A:VAL:HG11	1:123:A:VAL:H	5	0.53	0.03	0.53
(2,117)	1:123:A:VAL:HG12	1:123:A:VAL:H	5	0.53	0.03	0.53
(2,117)	1:123:A:VAL:HG13	1:123:A:VAL:H	5	0.53	0.03	0.53
(2,1502)	1:172:A:THR:H	1:171:A:THR:HA	5	0.51	0.1	0.53
(2,2571)	1:158:A:GLU:HA	1:158:A:GLU:HG2	5	0.46	0.2	0.38
(2,715)	1:102:A:LEU:HB3	1:101:A:ALA:H	5	0.43	0.37	0.15
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD3	5	0.4	0.03	0.4
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD2	5	0.4	0.03	0.4
(2,2985)	1:123:A:VAL:HG21	1:124:A:GLU:HB2	5	0.39	0.04	0.38
(2,2985)	1:123:A:VAL:HG22	1:124:A:GLU:HB2	5	0.39	0.04	0.38
(2,2985)	1:123:A:VAL:HG23	1:124:A:GLU:HB2	5	0.39	0.04	0.38
(2,2740)	1:39:A:ARG:H	1:38:A:GLN:HG3	5	0.38	0.18	0.27
(2,1717)	1:88:A:ARG:HB3	1:93:A:GLU:HA	5	0.37	0.32	0.13
(2,3082)	1:162:A:ARG:HG2	1:162:A:ARG:H	5	0.34	0.15	0.35
(2,2980)	1:75:A:GLN:H	1:75:A:GLN:HB3	5	0.33	0.2	0.23
(2,1262)	1:119:A:GLY:H	1:117:A:GLU:HB3	5	0.31	0.16	0.33
(2,1887)	1:94:A:ARG:HA	1:94:A:ARG:HD2	5	0.29	0.21	0.19
(2,3091)	1:89:A:LEU:HA	1:89:A:LEU:HG	5	0.28	0.02	0.28
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD3	5	0.27	0.01	0.27
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD2	5	0.27	0.01	0.27
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD1	5	0.26	0.1	0.22
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD2	5	0.26	0.1	0.22
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD1	5	0.26	0.1	0.22
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD2	5	0.26	0.1	0.22
(2,2366)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	5	0.24	0.02	0.25
(2,2366)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	5	0.24	0.02	0.25
(2,2366)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	5	0.24	0.02	0.25
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE1	5	0.22	0.06	0.23
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE2	5	0.22	0.06	0.23
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE3	5	0.22	0.06	0.23
(2,2217)	1:95:A:LEU:H	1:94:A:ARG:HD2	5	0.21	0.05	0.23
(2,2443)	1:26:A:ARG:HA	1:27:A:ILE:HB	5	0.2	0.06	0.21
(2,1709)	1:121:A:ASP:HB2	1:120:A:PHE:HA	5	0.19	0.05	0.18
(2,563)	1:53:A:LEU:HD21	1:45:A:LYS:H	5	0.19	0.06	0.16
(2,563)	1:53:A:LEU:HD22	1:45:A:LYS:H	5	0.19	0.06	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,563)	1:53:A:LEU:HD23	1:45:A:LYS:H	5	0.19	0.06	0.16
(1,282)	1:52:A:PRO:HD2	1:51:A:MET:HB3	5	0.18	0.07	0.19
(2,2852)	1:80:A:ARG:HB3	1:81:A:THR:H	5	0.18	0.05	0.15
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG21	5	0.18	0.05	0.19
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG22	5	0.18	0.05	0.19
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG23	5	0.18	0.05	0.19
(2,1247)	1:78:A:GLY:H	1:79:A:VAL:HB	5	0.17	0.03	0.17
(2,238)	1:87:A:GLY:HA3	1:94:A:ARG:H	5	0.16	0.03	0.16
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE1	5	0.16	0.06	0.15
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE2	5	0.16	0.06	0.15
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE1	5	0.16	0.06	0.15
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE2	5	0.16	0.06	0.15
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE1	5	0.16	0.06	0.15
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE2	5	0.16	0.06	0.15
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE1	5	0.16	0.04	0.16
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE2	5	0.16	0.04	0.16
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE3	5	0.16	0.04	0.16
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE1	5	0.16	0.04	0.16
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE2	5	0.16	0.04	0.16
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE3	5	0.16	0.04	0.16
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE1	5	0.16	0.04	0.16
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE2	5	0.16	0.04	0.16
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE3	5	0.16	0.04	0.16
(1,657)	1:26:A:ARG:HB3	1:25:A:LYS:H	5	0.16	0.02	0.15
(1,657)	1:26:A:ARG:HB2	1:25:A:LYS:H	5	0.16	0.02	0.15
(2,1848)	1:83:A:GLU:H	1:146:A:GLN:HA	5	0.16	0.04	0.17
(1,470)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	5	0.15	0.02	0.16
(1,470)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	5	0.15	0.02	0.16
(1,470)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	5	0.15	0.02	0.16
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB1	5	0.15	0.04	0.16
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB2	5	0.15	0.04	0.16
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB3	5	0.15	0.04	0.16
(2,1786)	1:25:A:LYS:HA	1:26:A:ARG:H	5	0.14	0.02	0.14
(2,511)	1:168:A:MET:H	1:168:A:MET:HE1	5	0.14	0.02	0.13
(2,511)	1:168:A:MET:H	1:168:A:MET:HE2	5	0.14	0.02	0.13
(2,511)	1:168:A:MET:H	1:168:A:MET:HE3	5	0.14	0.02	0.13
(2,528)	1:175:A:LEU:H	1:174:A:GLY:HA2	5	0.13	0.02	0.13
(2,2034)	1:111:A:ALA:HA	1:147:A:VAL:HB	5	0.13	0.04	0.11
(2,362)	1:86:A:LEU:H	1:143:A:ALA:HA	5	0.12	0.01	0.12
(2,2620)	1:139:A:GLU:H	1:125:A:VAL:HB	5	0.12	0.02	0.11
(1,80)	1:49:A:MET:H	1:47:A:PRO:HA	5	0.12	0.01	0.13
(2,994)	1:172:A:THR:H	1:172:A:THR:HG21	5	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,994)	1:172:A:THR:H	1:172:A:THR:HG22	5	0.12	0.01	0.12
(2,994)	1:172:A:THR:H	1:172:A:THR:HG23	5	0.12	0.01	0.12
(2,1313)	1:136:A:GLU:H	1:130:A:THR:HB	5	0.12	0.01	0.12
(2,1879)	1:97:A:VAL:HG21	1:96:A:LEU:HA	4	1.4	0.01	1.4
(2,1879)	1:97:A:VAL:HG22	1:96:A:LEU:HA	4	1.4	0.01	1.4
(2,1879)	1:97:A:VAL:HG23	1:96:A:LEU:HA	4	1.4	0.01	1.4
(2,2685)	1:102:A:LEU:HB3	1:147:A:VAL:HB	4	1.32	1.06	1.28
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG21	4	1.29	0.07	1.27
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG22	4	1.29	0.07	1.27
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG23	4	1.29	0.07	1.27
(1,452)	1:28:A:LEU:HB2	1:56:A:VAL:HB	4	1.0	0.59	1.08
(2,3127)	1:69:A:ILE:HG21	1:72:A:ARG:HG2	4	0.94	0.67	0.94
(2,3127)	1:69:A:ILE:HG22	1:72:A:ARG:HG2	4	0.94	0.67	0.94
(2,3127)	1:69:A:ILE:HG23	1:72:A:ARG:HG2	4	0.94	0.67	0.94
(2,309)	1:148:A:VAL:H	1:147:A:VAL:HB	4	0.92	0.03	0.93
(2,2801)	1:19:A:ALA:HB1	1:22:A:LYS:HB3	4	0.86	0.46	0.98
(2,2801)	1:19:A:ALA:HB2	1:22:A:LYS:HB3	4	0.86	0.46	0.98
(2,2801)	1:19:A:ALA:HB3	1:22:A:LYS:HB3	4	0.86	0.46	0.98
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG21	4	0.81	0.41	0.97
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG22	4	0.81	0.41	0.97
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG23	4	0.81	0.41	0.97
(2,412)	1:97:A:VAL:HG21	1:136:A:GLU:H	4	0.8	0.08	0.8
(2,412)	1:97:A:VAL:HG22	1:136:A:GLU:H	4	0.8	0.08	0.8
(2,412)	1:97:A:VAL:HG23	1:136:A:GLU:H	4	0.8	0.08	0.8
(2,902)	1:73:A:VAL:HA	1:74:A:THR:H	4	0.79	0.04	0.8
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG11	4	0.77	0.12	0.76
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG12	4	0.77	0.12	0.76
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG13	4	0.77	0.12	0.76
(2,1041)	1:21:A:LEU:HD21	1:23:A:THR:H	4	0.74	0.42	0.51
(2,1041)	1:21:A:LEU:HD22	1:23:A:THR:H	4	0.74	0.42	0.51
(2,1041)	1:21:A:LEU:HD23	1:23:A:THR:H	4	0.74	0.42	0.51
(2,300)	1:26:A:ARG:HB2	1:26:A:ARG:H	4	0.67	0.04	0.7
(2,2924)	1:26:A:ARG:HB2	1:26:A:ARG:H	4	0.64	0.04	0.66
(2,568)	1:73:A:VAL:H	1:72:A:ARG:HB2	4	0.64	0.32	0.74
(2,3099)	1:26:A:ARG:HA	1:26:A:ARG:HG2	4	0.6	0.1	0.65
(2,1448)	1:99:A:SER:HA	1:97:A:VAL:HB	4	0.59	0.04	0.6
(2,2506)	1:88:A:ARG:HG3	1:93:A:GLU:HG3	4	0.58	0.65	0.26
(2,2934)	1:26:A:ARG:HB2	1:26:A:ARG:HG3	4	0.56	0.15	0.62
(2,285)	1:115:A:LYS:H	1:118:A:GLY:H	4	0.53	0.38	0.54
(2,733)	1:147:A:VAL:HG11	1:146:A:GLN:H	4	0.53	0.05	0.52
(2,733)	1:147:A:VAL:HG12	1:146:A:GLN:H	4	0.53	0.05	0.52
(2,733)	1:147:A:VAL:HG13	1:146:A:GLN:H	4	0.53	0.05	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3253)	1:86:A:LEU:HD21	1:93:A:GLU:HB3	4	0.49	0.61	0.16
(2,3253)	1:86:A:LEU:HD22	1:93:A:GLU:HB3	4	0.49	0.61	0.16
(2,3253)	1:86:A:LEU:HD23	1:93:A:GLU:HB3	4	0.49	0.61	0.16
(2,3253)	1:86:A:LEU:HD21	1:93:A:GLU:HB2	4	0.49	0.61	0.16
(2,3253)	1:86:A:LEU:HD22	1:93:A:GLU:HB2	4	0.49	0.61	0.16
(2,3253)	1:86:A:LEU:HD23	1:93:A:GLU:HB2	4	0.49	0.61	0.16
(2,3521)	1:49:A:MET:HE1	1:34:A:MET:HA	4	0.45	0.25	0.38
(2,3521)	1:49:A:MET:HE2	1:34:A:MET:HA	4	0.45	0.25	0.38
(2,3521)	1:49:A:MET:HE3	1:34:A:MET:HA	4	0.45	0.25	0.38
(2,1650)	1:97:A:VAL:HG21	1:135:A:SER:HA	4	0.43	0.05	0.42
(2,1650)	1:97:A:VAL:HG22	1:135:A:SER:HA	4	0.43	0.05	0.42
(2,1650)	1:97:A:VAL:HG23	1:135:A:SER:HA	4	0.43	0.05	0.42
(2,222)	1:137:A:ILE:H	1:94:A:ARG:HB3	4	0.4	0.16	0.36
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD11	4	0.4	0.48	0.14
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD12	4	0.4	0.48	0.14
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD13	4	0.4	0.48	0.14
(2,2049)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	4	0.39	0.01	0.39
(2,2203)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	4	0.39	0.03	0.39
(2,2203)	1:121:A:ASP:HB3	1:122:A:PRO:HD2	4	0.39	0.03	0.39
(1,362)	1:53:A:LEU:HD21	1:32:A:ASP:HB2	4	0.38	0.28	0.26
(1,362)	1:53:A:LEU:HD22	1:32:A:ASP:HB2	4	0.38	0.28	0.26
(1,362)	1:53:A:LEU:HD23	1:32:A:ASP:HB2	4	0.38	0.28	0.26
(2,2482)	1:34:A:MET:HG3	1:34:A:MET:HA	4	0.36	0.13	0.38
(2,2771)	1:68:A:ARG:H	1:67:A:VAL:HB	4	0.36	0.02	0.35
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG21	4	0.36	0.14	0.4
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG22	4	0.36	0.14	0.4
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG23	4	0.36	0.14	0.4
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG21	4	0.36	0.14	0.4
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG22	4	0.36	0.14	0.4
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG23	4	0.36	0.14	0.4
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG21	4	0.36	0.14	0.4
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG22	4	0.36	0.14	0.4
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG23	4	0.36	0.14	0.4
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG21	4	0.36	0.14	0.4
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG22	4	0.36	0.14	0.4
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG23	4	0.36	0.14	0.4
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG21	4	0.36	0.14	0.4
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG22	4	0.36	0.14	0.4
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG23	4	0.36	0.14	0.4
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG21	4	0.36	0.14	0.4
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG22	4	0.36	0.14	0.4
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG23	4	0.36	0.14	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2734)	1:101:A:ALA:HB1	1:97:A:VAL:HB	4	0.35	0.02	0.36
(2,2734)	1:101:A:ALA:HB2	1:97:A:VAL:HB	4	0.35	0.02	0.36
(2,2734)	1:101:A:ALA:HB3	1:97:A:VAL:HB	4	0.35	0.02	0.36
(2,1074)	1:141:A:LEU:H	1:141:A:LEU:HG	4	0.34	0.08	0.35
(2,308)	1:58:A:GLU:HG2	1:59:A:GLU:H	4	0.33	0.18	0.23
(2,377)	1:75:A:GLN:H	1:75:A:GLN:HB2	4	0.29	0.14	0.29
(2,2730)	1:98:A:PRO:HD3	1:97:A:VAL:HB	4	0.29	0.02	0.29
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD11	4	0.29	0.11	0.25
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD12	4	0.29	0.11	0.25
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD13	4	0.29	0.11	0.25
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD11	4	0.29	0.17	0.24
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD12	4	0.29	0.17	0.24
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD13	4	0.29	0.17	0.24
(3,18)	1:39:A:ARG:HD2	1:29:A:TYR:HE1	4	0.29	0.09	0.32
(3,18)	1:39:A:ARG:HD2	1:29:A:TYR:HE2	4	0.29	0.09	0.32
(3,16)	1:39:A:ARG:HG3	1:29:A:TYR:HE1	4	0.28	0.12	0.29
(3,16)	1:39:A:ARG:HG3	1:29:A:TYR:HE2	4	0.28	0.12	0.29
(3,16)	1:39:A:ARG:HG2	1:29:A:TYR:HE1	4	0.28	0.12	0.29
(3,16)	1:39:A:ARG:HG2	1:29:A:TYR:HE2	4	0.28	0.12	0.29
(2,2636)	1:31:A:ARG:HB2	1:37:A:GLY:H	4	0.28	0.09	0.27
(2,451)	1:58:A:GLU:HG2	1:60:A:GLU:H	4	0.26	0.08	0.24
(1,545)	1:62:A:ALA:H	1:61:A:ASN:H	4	0.26	0.1	0.22
(2,2572)	1:58:A:GLU:HG2	1:59:A:GLU:H	4	0.25	0.18	0.15
(2,2542)	1:58:A:GLU:HG2	1:60:A:GLU:H	4	0.25	0.08	0.23
(2,32)	1:127:A:ALA:H	1:138:A:LEU:HB2	4	0.24	0.08	0.24
(1,507)	1:40:A:PHE:H	1:39:A:ARG:HD2	4	0.24	0.04	0.24
(2,3215)	1:126:A:LYS:HD2	1:126:A:LYS:HG2	4	0.23	0.01	0.22
(2,1231)	1:63:A:ASP:HA	1:64:A:GLY:H	4	0.22	0.05	0.22
(2,2246)	1:104:A:ARG:HD3	1:105:A:THR:H	4	0.22	0.06	0.24
(2,2246)	1:104:A:ARG:HD2	1:105:A:THR:H	4	0.22	0.06	0.24
(2,705)	1:168:A:MET:H	1:167:A:ARG:H	4	0.22	0.09	0.19
(2,1587)	1:103:A:ILE:HG21	1:105:A:THR:HA	4	0.2	0.02	0.2
(2,1587)	1:103:A:ILE:HG22	1:105:A:THR:HA	4	0.2	0.02	0.2
(2,1587)	1:103:A:ILE:HG23	1:105:A:THR:HA	4	0.2	0.02	0.2
(2,1253)	1:116:A:GLY:H	1:119:A:GLY:H	4	0.2	0.06	0.2
(2,2420)	1:179:A:PHE:H	1:179:A:PHE:HB3	4	0.19	0.1	0.14
(1,599)	1:46:A:SER:HB2	1:49:A:MET:H	4	0.19	0.07	0.18
(2,262)	1:19:A:ALA:HB1	1:19:A:ALA:H	4	0.19	0.03	0.2
(2,262)	1:19:A:ALA:HB2	1:19:A:ALA:H	4	0.19	0.03	0.2
(2,262)	1:19:A:ALA:HB3	1:19:A:ALA:H	4	0.19	0.03	0.2
(2,416)	1:74:A:THR:HA	1:75:A:GLN:H	4	0.19	0.04	0.19
(2,1763)	1:75:A:GLN:HA	1:75:A:GLN:HG3	4	0.19	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1763)	1:75:A:GLN:HA	1:75:A:GLN:HG2	4	0.19	0.05	0.18
(2,3151)	1:39:A:ARG:HG2	1:29:A:TYR:HE1	4	0.19	0.09	0.14
(2,3151)	1:39:A:ARG:HG2	1:29:A:TYR:HE2	4	0.19	0.09	0.14
(2,3534)	1:129:A:ALA:HB1	1:130:A:THR:HA	4	0.19	0.06	0.18
(2,3534)	1:129:A:ALA:HB2	1:130:A:THR:HA	4	0.19	0.06	0.18
(2,3534)	1:129:A:ALA:HB3	1:130:A:THR:HA	4	0.19	0.06	0.18
(2,3388)	1:34:A:MET:HE1	1:34:A:MET:HA	4	0.19	0.08	0.15
(2,3388)	1:34:A:MET:HE2	1:34:A:MET:HA	4	0.19	0.08	0.15
(2,3388)	1:34:A:MET:HE3	1:34:A:MET:HA	4	0.19	0.08	0.15
(2,2377)	1:63:A:ASP:HA	1:63:A:ASP:HB2	4	0.18	0.02	0.18
(2,321)	1:63:A:ASP:HA	1:69:A:ILE:H	4	0.18	0.05	0.18
(2,321)	1:63:A:ASP:HA	1:69:A:ILE:H	4	0.18	0.05	0.18
(2,1477)	1:74:A:THR:HA	1:75:A:GLN:H	4	0.18	0.04	0.18
(1,149)	1:27:A:ILE:HD11	1:59:A:GLU:HA	4	0.17	0.05	0.16
(1,149)	1:27:A:ILE:HD12	1:59:A:GLU:HA	4	0.17	0.05	0.16
(1,149)	1:27:A:ILE:HD13	1:59:A:GLU:HA	4	0.17	0.05	0.16
(2,637)	1:70:A:ASP:HA	1:72:A:ARG:H	4	0.16	0.05	0.14
(3,10)	1:62:A:ALA:HB1	1:30:A:TRP:HH2	4	0.16	0.03	0.17
(3,10)	1:62:A:ALA:HB2	1:30:A:TRP:HH2	4	0.16	0.03	0.17
(3,10)	1:62:A:ALA:HB3	1:30:A:TRP:HH2	4	0.16	0.03	0.17
(2,2797)	1:80:A:ARG:H	1:80:A:ARG:HB3	4	0.16	0.03	0.16
(2,232)	1:70:A:ASP:H	1:69:A:ILE:HB	4	0.15	0.03	0.16
(2,1724)	1:61:A:ASN:H	1:60:A:GLU:HA	4	0.15	0.04	0.13
(2,2796)	1:22:A:LYS:H	1:22:A:LYS:HB3	4	0.14	0.04	0.14
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE1	4	0.14	0.02	0.13
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE2	4	0.14	0.02	0.13
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE3	4	0.14	0.02	0.13
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE1	4	0.14	0.02	0.13
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE2	4	0.14	0.02	0.13
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE3	4	0.14	0.02	0.13
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE1	4	0.14	0.02	0.13
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE2	4	0.14	0.02	0.13
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE3	4	0.14	0.02	0.13
(2,2409)	1:57:A:TYR:HB2	1:25:A:LYS:HD3	4	0.14	0.03	0.13
(2,2409)	1:57:A:TYR:HB2	1:25:A:LYS:HD2	4	0.14	0.03	0.13
(2,274)	1:65:A:ALA:H	1:64:A:GLY:H	4	0.13	0.02	0.13
(2,1007)	1:127:A:ALA:H	1:139:A:GLU:H	4	0.13	0.04	0.11
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD11	4	0.13	0.02	0.12
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD12	4	0.13	0.02	0.12
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD13	4	0.13	0.02	0.12
(2,2780)	1:51:A:MET:H	1:49:A:MET:HG2	4	0.12	0.02	0.13
(1,535)	1:51:A:MET:H	1:46:A:SER:HB2	4	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1938)	1:67:A:VAL:HG11	1:66:A:ALA:HA	4	0.11	0.01	0.12
(2,1938)	1:67:A:VAL:HG12	1:66:A:ALA:HA	4	0.11	0.01	0.12
(2,1938)	1:67:A:VAL:HG13	1:66:A:ALA:HA	4	0.11	0.01	0.12
(2,201)	1:62:A:ALA:H	1:61:A:ASN:H	4	0.11	0.02	0.1
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG21	3	1.03	0.1	0.98
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG22	3	1.03	0.1	0.98
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG23	3	1.03	0.1	0.98
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD11	3	1.01	1.01	0.43
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD12	3	1.01	1.01	0.43
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD13	3	1.01	1.01	0.43
(2,2116)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG11	1:64:A:GLY:HA2	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG12	1:64:A:GLY:HA2	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG13	1:64:A:GLY:HA2	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG11	1:64:A:GLY:HA3	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG12	1:64:A:GLY:HA3	3	0.93	0.91	0.32
(2,2116)	1:67:A:VAL:HG13	1:64:A:GLY:HA3	3	0.93	0.91	0.32
(2,2068)	1:84:A:VAL:HG21	1:141:A:LEU:HB2	3	0.73	0.52	0.45
(2,2068)	1:84:A:VAL:HG22	1:141:A:LEU:HB2	3	0.73	0.52	0.45
(2,2068)	1:84:A:VAL:HG23	1:141:A:LEU:HB2	3	0.73	0.52	0.45
(2,3435)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	3	0.73	0.15	0.65
(2,3435)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	3	0.73	0.15	0.65
(2,3435)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	3	0.73	0.15	0.65
(2,33)	1:127:A:ALA:H	1:126:A:LYS:HG3	3	0.72	0.55	0.41
(2,3611)	1:143:A:ALA:HB1	1:145:A:GLN:HG2	3	0.58	0.08	0.53
(2,3611)	1:143:A:ALA:HB2	1:145:A:GLN:HG2	3	0.58	0.08	0.53
(2,3611)	1:143:A:ALA:HB3	1:145:A:GLN:HG2	3	0.58	0.08	0.53
(2,3097)	1:80:A:ARG:HG2	1:80:A:ARG:HB3	3	0.55	0.02	0.56
(2,1023)	1:126:A:LYS:HG2	1:139:A:GLU:H	3	0.52	0.43	0.28
(2,2703)	1:126:A:LYS:H	1:139:A:GLU:HB2	3	0.49	0.06	0.48
(2,788)	1:86:A:LEU:HD21	1:88:A:ARG:H	3	0.47	0.5	0.11
(2,788)	1:86:A:LEU:HD22	1:88:A:ARG:H	3	0.47	0.5	0.11
(2,788)	1:86:A:LEU:HD23	1:88:A:ARG:H	3	0.47	0.5	0.11
(2,2853)	1:80:A:ARG:HB3	1:150:A:SER:H	3	0.47	0.24	0.4
(2,824)	1:62:A:ALA:HB1	1:63:A:ASP:H	3	0.44	0.18	0.49
(2,824)	1:62:A:ALA:HB2	1:63:A:ASP:H	3	0.44	0.18	0.49
(2,824)	1:62:A:ALA:HB3	1:63:A:ASP:H	3	0.44	0.18	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2701)	1:138:A:LEU:H	1:139:A:GLU:HB2	3	0.44	0.17	0.35
(2,1529)	1:130:A:THR:HA	1:135:A:SER:HB3	3	0.42	0.17	0.35
(2,1815)	1:40:A:PHE:HE1	1:31:A:ARG:HA	3	0.4	0.27	0.29
(2,1815)	1:40:A:PHE:HE2	1:31:A:ARG:HA	3	0.4	0.27	0.29
(2,1853)	1:134:A:GLN:HA	1:99:A:SER:HB3	3	0.38	0.12	0.42
(2,3588)	1:159:A:ALA:HB1	1:156:A:ASP:HB2	3	0.37	0.03	0.39
(2,3588)	1:159:A:ALA:HB2	1:156:A:ASP:HB2	3	0.37	0.03	0.39
(2,3588)	1:159:A:ALA:HB3	1:156:A:ASP:HB2	3	0.37	0.03	0.39
(2,3588)	1:159:A:ALA:HB1	1:156:A:ASP:HB3	3	0.37	0.03	0.39
(2,3588)	1:159:A:ALA:HB2	1:156:A:ASP:HB3	3	0.37	0.03	0.39
(2,3588)	1:159:A:ALA:HB3	1:156:A:ASP:HB3	3	0.37	0.03	0.39
(2,2275)	1:104:A:ARG:HA	1:104:A:ARG:HD3	3	0.35	0.0	0.35
(2,2275)	1:104:A:ARG:HA	1:104:A:ARG:HD2	3	0.35	0.0	0.35
(2,2004)	1:35:A:VAL:HG11	1:36:A:PRO:HD2	3	0.34	0.01	0.34
(2,2004)	1:35:A:VAL:HG12	1:36:A:PRO:HD2	3	0.34	0.01	0.34
(2,2004)	1:35:A:VAL:HG13	1:36:A:PRO:HD2	3	0.34	0.01	0.34
(2,748)	1:127:A:ALA:H	1:109:A:THR:H	3	0.33	0.16	0.35
(2,737)	1:76:A:ASN:HA	1:79:A:VAL:H	3	0.32	0.16	0.42
(2,2248)	1:89:A:LEU:H	1:88:A:ARG:HD2	3	0.31	0.15	0.4
(2,2248)	1:89:A:LEU:H	1:88:A:ARG:HD3	3	0.31	0.15	0.4
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG21	3	0.28	0.02	0.29
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG22	3	0.28	0.02	0.29
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG23	3	0.28	0.02	0.29
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG21	3	0.28	0.02	0.29
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG22	3	0.28	0.02	0.29
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG23	3	0.28	0.02	0.29
(2,3319)	1:109:A:THR:HG21	1:104:A:ARG:HD2	3	0.28	0.07	0.26
(2,3319)	1:109:A:THR:HG22	1:104:A:ARG:HD2	3	0.28	0.07	0.26
(2,3319)	1:109:A:THR:HG23	1:104:A:ARG:HD2	3	0.28	0.07	0.26
(2,3319)	1:109:A:THR:HG21	1:104:A:ARG:HD3	3	0.28	0.07	0.26
(2,3319)	1:109:A:THR:HG22	1:104:A:ARG:HD3	3	0.28	0.07	0.26
(2,3319)	1:109:A:THR:HG23	1:104:A:ARG:HD3	3	0.28	0.07	0.26
(2,1762)	1:75:A:GLN:HA	1:76:A:ASN:H	3	0.27	0.07	0.29
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG21	3	0.27	0.06	0.25
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG22	3	0.27	0.06	0.25
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG23	3	0.27	0.06	0.25
(2,640)	1:72:A:ARG:HG2	1:72:A:ARG:H	3	0.27	0.12	0.34
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD21	3	0.27	0.14	0.22
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD22	3	0.27	0.14	0.22
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD23	3	0.27	0.14	0.22
(2,985)	1:92:A:THR:H	1:91:A:SER:HB2	3	0.26	0.0	0.26
(2,1099)	1:102:A:LEU:H	1:135:A:SER:HB3	3	0.25	0.04	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2276)	1:109:A:THR:HG21	1:104:A:ARG:HD2	3	0.25	0.07	0.24
(2,2276)	1:109:A:THR:HG22	1:104:A:ARG:HD2	3	0.25	0.07	0.24
(2,2276)	1:109:A:THR:HG23	1:104:A:ARG:HD2	3	0.25	0.07	0.24
(2,2276)	1:109:A:THR:HG21	1:104:A:ARG:HD3	3	0.25	0.07	0.24
(2,2276)	1:109:A:THR:HG22	1:104:A:ARG:HD3	3	0.25	0.07	0.24
(2,2276)	1:109:A:THR:HG23	1:104:A:ARG:HD3	3	0.25	0.07	0.24
(2,2212)	1:113:A:VAL:HB	1:121:A:ASP:HB2	3	0.25	0.06	0.23
(2,816)	1:105:A:THR:H	1:109:A:THR:H	3	0.23	0.09	0.19
(2,1789)	1:108:A:ARG:HA	1:104:A:ARG:HD3	3	0.23	0.03	0.21
(2,1789)	1:108:A:ARG:HA	1:104:A:ARG:HD2	3	0.23	0.03	0.21
(2,978)	1:89:A:LEU:H	1:92:A:THR:H	3	0.22	0.02	0.23
(2,2101)	1:162:A:ARG:HD2	1:163:A:GLY:HA3	3	0.22	0.05	0.25
(2,2101)	1:162:A:ARG:HD2	1:163:A:GLY:HA2	3	0.22	0.05	0.25
(2,2101)	1:162:A:ARG:HD3	1:163:A:GLY:HA3	3	0.22	0.05	0.25
(2,2101)	1:162:A:ARG:HD3	1:163:A:GLY:HA2	3	0.22	0.05	0.25
(2,3129)	1:87:A:GLY:H	1:86:A:LEU:HG	3	0.21	0.09	0.17
(2,707)	1:167:A:ARG:H	1:167:A:ARG:HD2	3	0.21	0.05	0.23
(2,707)	1:167:A:ARG:H	1:167:A:ARG:HD3	3	0.21	0.05	0.23
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG21	3	0.2	0.04	0.22
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG22	3	0.2	0.04	0.22
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG23	3	0.2	0.04	0.22
(2,331)	1:69:A:ILE:HG12	1:69:A:ILE:H	3	0.2	0.08	0.17
(2,446)	1:60:A:GLU:H	1:55:A:PRO:HB3	3	0.2	0.09	0.17
(2,569)	1:72:A:ARG:HG2	1:73:A:VAL:H	3	0.2	0.06	0.21
(2,569)	1:72:A:ARG:HG3	1:73:A:VAL:H	3	0.2	0.06	0.21
(1,76)	1:36:A:PRO:HD3	1:36:A:PRO:HA	3	0.19	0.01	0.18
(2,1159)	1:46:A:SER:HB3	1:49:A:MET:H	3	0.18	0.04	0.2
(2,2107)	1:71:A:GLY:HA2	1:71:A:GLY:H	3	0.18	0.04	0.18
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	3	0.18	0.0	0.18
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	3	0.18	0.0	0.18
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	3	0.18	0.0	0.18
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	3	0.18	0.0	0.18
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	3	0.18	0.0	0.18
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	3	0.18	0.0	0.18
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	3	0.18	0.0	0.18
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	3	0.18	0.0	0.18
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	3	0.18	0.0	0.18
(2,687)	1:62:A:ALA:H	1:61:A:ASN:H	3	0.18	0.1	0.11
(1,485)	1:62:A:ALA:H	1:58:A:GLU:HG3	3	0.17	0.04	0.17
(2,1332)	1:74:A:THR:H	1:74:A:THR:HB	3	0.17	0.04	0.15
(2,2011)	1:110:A:ILE:HG21	1:122:A:PRO:HD3	3	0.16	0.04	0.18
(2,2011)	1:110:A:ILE:HG22	1:122:A:PRO:HD3	3	0.16	0.04	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2011)	1:110:A:ILE:HG23	1:122:A:PRO:HD3	3	0.16	0.04	0.18
(2,87)	1:89:A:LEU:H	1:90:A:GLY:H	3	0.16	0.05	0.17
(2,2984)	1:75:A:GLN:HA	1:75:A:GLN:HB2	3	0.16	0.02	0.16
(2,1731)	1:118:A:GLY:H	1:117:A:GLU:HA	3	0.15	0.03	0.14
(2,783)	1:88:A:ARG:H	1:93:A:GLU:HG2	3	0.15	0.01	0.15
(2,48)	1:97:A:VAL:HG21	1:85:A:LYS:H	3	0.15	0.01	0.15
(2,48)	1:97:A:VAL:HG22	1:85:A:LYS:H	3	0.15	0.01	0.15
(2,48)	1:97:A:VAL:HG23	1:85:A:LYS:H	3	0.15	0.01	0.15
(2,192)	1:57:A:TYR:H	1:25:A:LYS:HA	3	0.15	0.03	0.14
(2,2094)	1:125:A:VAL:HG21	1:140:A:GLY:HA3	3	0.14	0.01	0.14
(2,2094)	1:125:A:VAL:HG22	1:140:A:GLY:HA3	3	0.14	0.01	0.14
(2,2094)	1:125:A:VAL:HG23	1:140:A:GLY:HA3	3	0.14	0.01	0.14
(1,45)	1:35:A:VAL:HB	1:48:A:TYR:HD1	3	0.14	0.02	0.14
(1,45)	1:35:A:VAL:HB	1:48:A:TYR:HD2	3	0.14	0.02	0.14
(2,3648)	1:27:A:ILE:HD11	1:60:A:GLU:H	3	0.14	0.02	0.14
(2,3648)	1:27:A:ILE:HD12	1:60:A:GLU:H	3	0.14	0.02	0.14
(2,3648)	1:27:A:ILE:HD13	1:60:A:GLU:H	3	0.14	0.02	0.14
(1,23)	1:27:A:ILE:HG12	1:57:A:TYR:HE1	3	0.14	0.01	0.13
(1,23)	1:27:A:ILE:HG12	1:57:A:TYR:HE2	3	0.14	0.01	0.13
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG21	3	0.13	0.01	0.13
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG22	3	0.13	0.01	0.13
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG23	3	0.13	0.01	0.13
(2,185)	1:68:A:ARG:H	1:67:A:VAL:HB	3	0.13	0.02	0.14
(2,2606)	1:140:A:GLY:HA3	1:125:A:VAL:HB	3	0.13	0.02	0.12
(1,598)	1:46:A:SER:HA	1:49:A:MET:H	3	0.12	0.02	0.11
(2,710)	1:166:A:ALA:HB1	1:167:A:ARG:H	3	0.12	0.01	0.12
(2,710)	1:166:A:ALA:HB2	1:167:A:ARG:H	3	0.12	0.01	0.12
(2,710)	1:166:A:ALA:HB3	1:167:A:ARG:H	3	0.12	0.01	0.12
(2,789)	1:96:A:LEU:HD21	1:88:A:ARG:H	3	0.12	0.02	0.11
(2,789)	1:96:A:LEU:HD22	1:88:A:ARG:H	3	0.12	0.02	0.11
(2,789)	1:96:A:LEU:HD23	1:88:A:ARG:H	3	0.12	0.02	0.11
(3,27)	1:26:A:ARG:HB2	1:57:A:TYR:HE1	3	0.12	0.02	0.11
(3,27)	1:26:A:ARG:HB2	1:57:A:TYR:HE2	3	0.12	0.02	0.11
(3,27)	1:26:A:ARG:HB3	1:57:A:TYR:HE1	3	0.12	0.02	0.11
(3,27)	1:26:A:ARG:HB3	1:57:A:TYR:HE2	3	0.12	0.02	0.11
(1,220)	1:39:A:ARG:HD3	1:29:A:TYR:HD1	3	0.12	0.01	0.12
(1,220)	1:39:A:ARG:HD3	1:29:A:TYR:HD2	3	0.12	0.01	0.12
(2,1309)	1:131:A:ALA:H	1:130:A:THR:HB	3	0.11	0.01	0.11
(1,593)	1:34:A:MET:H	1:34:A:MET:HB2	3	0.11	0.0	0.11
(2,1807)	1:104:A:ARG:HA	1:104:A:ARG:HD3	3	0.11	0.0	0.11
(2,1807)	1:104:A:ARG:HA	1:104:A:ARG:HD2	3	0.11	0.0	0.11
(2,2044)	1:43:A:PRO:HD2	1:43:A:PRO:HD3	3	0.1	0.0	0.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3232)	1:86:A:LEU:HD11	1:84:A:VAL:HG21	2	1.3	0.7	1.3
(2,3232)	1:86:A:LEU:HD11	1:84:A:VAL:HG22	2	1.3	0.7	1.3
(2,3232)	1:86:A:LEU:HD11	1:84:A:VAL:HG23	2	1.3	0.7	1.3
(2,3232)	1:86:A:LEU:HD12	1:84:A:VAL:HG21	2	1.3	0.7	1.3
(2,3232)	1:86:A:LEU:HD12	1:84:A:VAL:HG22	2	1.3	0.7	1.3
(2,3232)	1:86:A:LEU:HD12	1:84:A:VAL:HG23	2	1.3	0.7	1.3
(2,3232)	1:86:A:LEU:HD13	1:84:A:VAL:HG21	2	1.3	0.7	1.3
(2,3232)	1:86:A:LEU:HD13	1:84:A:VAL:HG22	2	1.3	0.7	1.3
(2,3232)	1:86:A:LEU:HD13	1:84:A:VAL:HG23	2	1.3	0.7	1.3
(2,3674)	1:137:A:ILE:HD11	1:102:A:LEU:HB3	2	1.28	0.02	1.28
(2,3674)	1:137:A:ILE:HD12	1:102:A:LEU:HB3	2	1.28	0.02	1.28
(2,3674)	1:137:A:ILE:HD13	1:102:A:LEU:HB3	2	1.28	0.02	1.28
(2,2856)	1:136:A:GLU:HB3	1:129:A:ALA:HB1	2	1.17	0.01	1.17
(2,2856)	1:136:A:GLU:HB3	1:129:A:ALA:HB2	2	1.17	0.01	1.17
(2,2856)	1:136:A:GLU:HB3	1:129:A:ALA:HB3	2	1.17	0.01	1.17
(2,317)	1:143:A:ALA:H	1:142:A:LYS:HG2	2	1.16	0.04	1.16
(2,2817)	1:136:A:GLU:HB3	1:129:A:ALA:HB1	2	1.16	0.01	1.16
(2,2817)	1:136:A:GLU:HB3	1:129:A:ALA:HB2	2	1.16	0.01	1.16
(2,2817)	1:136:A:GLU:HB3	1:129:A:ALA:HB3	2	1.16	0.01	1.16
(2,147)	1:86:A:LEU:HD21	1:93:A:GLU:H	2	1.08	0.94	1.08
(2,147)	1:86:A:LEU:HD22	1:93:A:GLU:H	2	1.08	0.94	1.08
(2,147)	1:86:A:LEU:HD23	1:93:A:GLU:H	2	1.08	0.94	1.08
(2,3587)	1:123:A:VAL:HG11	1:147:A:VAL:HG11	2	1.04	0.09	1.04
(2,3587)	1:123:A:VAL:HG11	1:147:A:VAL:HG12	2	1.04	0.09	1.04
(2,3587)	1:123:A:VAL:HG11	1:147:A:VAL:HG13	2	1.04	0.09	1.04
(2,3587)	1:123:A:VAL:HG12	1:147:A:VAL:HG11	2	1.04	0.09	1.04
(2,3587)	1:123:A:VAL:HG12	1:147:A:VAL:HG12	2	1.04	0.09	1.04
(2,3587)	1:123:A:VAL:HG12	1:147:A:VAL:HG13	2	1.04	0.09	1.04
(2,3587)	1:123:A:VAL:HG13	1:147:A:VAL:HG11	2	1.04	0.09	1.04
(2,3587)	1:123:A:VAL:HG13	1:147:A:VAL:HG12	2	1.04	0.09	1.04
(2,3587)	1:123:A:VAL:HG13	1:147:A:VAL:HG13	2	1.04	0.09	1.04
(2,3195)	1:103:A:ILE:H	1:102:A:LEU:HD11	2	0.97	0.16	0.97
(2,3195)	1:103:A:ILE:H	1:102:A:LEU:HD12	2	0.97	0.16	0.97
(2,3195)	1:103:A:ILE:H	1:102:A:LEU:HD13	2	0.97	0.16	0.97
(2,366)	1:86:A:LEU:H	1:86:A:LEU:HB2	2	0.95	0.04	0.95
(2,1822)	1:86:A:LEU:HA	1:86:A:LEU:HG	2	0.94	0.25	0.94
(2,242)	1:88:A:ARG:HB3	1:94:A:ARG:H	2	0.88	0.06	0.88
(2,2237)	1:138:A:LEU:HD11	1:94:A:ARG:HD3	2	0.88	0.75	0.88
(2,2237)	1:138:A:LEU:HD12	1:94:A:ARG:HD3	2	0.88	0.75	0.88
(2,2237)	1:138:A:LEU:HD13	1:94:A:ARG:HD3	2	0.88	0.75	0.88
(1,71)	1:33:A:PRO:HA	1:33:A:PRO:HG3	2	0.8	0.0	0.8
(2,3473)	1:75:A:GLN:HB3	1:73:A:VAL:HG11	2	0.78	0.03	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3473)	1:75:A:GLN:HB3	1:73:A:VAL:HG12	2	0.78	0.03	0.78
(2,3473)	1:75:A:GLN:HB3	1:73:A:VAL:HG13	2	0.78	0.03	0.78
(2,1323)	1:88:A:ARG:HB3	1:92:A:THR:HB	2	0.66	0.01	0.66
(2,2497)	1:86:A:LEU:HD21	1:93:A:GLU:HG2	2	0.66	0.46	0.66
(2,2497)	1:86:A:LEU:HD22	1:93:A:GLU:HG2	2	0.66	0.46	0.66
(2,2497)	1:86:A:LEU:HD23	1:93:A:GLU:HG2	2	0.66	0.46	0.66
(2,3227)	1:86:A:LEU:HD11	1:86:A:LEU:HA	2	0.64	0.38	0.64
(2,3227)	1:86:A:LEU:HD12	1:86:A:LEU:HA	2	0.64	0.38	0.64
(2,3227)	1:86:A:LEU:HD13	1:86:A:LEU:HA	2	0.64	0.38	0.64
(2,376)	1:158:A:GLU:H	1:158:A:GLU:HB2	2	0.61	0.08	0.61
(2,3542)	1:136:A:GLU:HG2	1:129:A:ALA:HB1	2	0.6	0.05	0.6
(2,3542)	1:136:A:GLU:HG2	1:129:A:ALA:HB2	2	0.6	0.05	0.6
(2,3542)	1:136:A:GLU:HG2	1:129:A:ALA:HB3	2	0.6	0.05	0.6
(2,98)	1:127:A:ALA:HB1	1:138:A:LEU:H	2	0.57	0.02	0.57
(2,98)	1:127:A:ALA:HB2	1:138:A:LEU:H	2	0.57	0.02	0.57
(2,98)	1:127:A:ALA:HB3	1:138:A:LEU:H	2	0.57	0.02	0.57
(2,5)	1:129:A:ALA:H	1:127:A:ALA:HA	2	0.57	0.0	0.57
(2,3529)	1:46:A:SER:HB3	1:49:A:MET:HE1	2	0.54	0.14	0.54
(2,3529)	1:46:A:SER:HB3	1:49:A:MET:HE2	2	0.54	0.14	0.54
(2,3529)	1:46:A:SER:HB3	1:49:A:MET:HE3	2	0.54	0.14	0.54
(2,2657)	1:126:A:LYS:HB3	1:139:A:GLU:HG3	2	0.48	0.26	0.48
(2,2293)	1:86:A:LEU:H	1:86:A:LEU:HB2	2	0.45	0.04	0.45
(2,3382)	1:129:A:ALA:H	1:138:A:LEU:HD11	2	0.44	0.32	0.44
(2,3382)	1:129:A:ALA:H	1:138:A:LEU:HD12	2	0.44	0.32	0.44
(2,3382)	1:129:A:ALA:H	1:138:A:LEU:HD13	2	0.44	0.32	0.44
(2,143)	1:93:A:GLU:H	1:92:A:THR:HB	2	0.42	0.05	0.42
(2,3131)	1:86:A:LEU:HA	1:86:A:LEU:HG	2	0.4	0.26	0.4
(2,800)	1:67:A:VAL:H	1:67:A:VAL:HB	2	0.4	0.02	0.4
(2,2218)	1:94:A:ARG:HA	1:94:A:ARG:HD2	2	0.39	0.21	0.39
(1,304)	1:33:A:PRO:HB2	1:32:A:ASP:HA	2	0.36	0.03	0.36
(2,2789)	1:67:A:VAL:H	1:67:A:VAL:HB	2	0.36	0.02	0.36
(1,546)	1:61:A:ASN:H	1:58:A:GLU:HG3	2	0.32	0.04	0.32
(2,1018)	1:139:A:GLU:H	1:139:A:GLU:HG2	2	0.3	0.08	0.3
(2,1415)	1:130:A:THR:HG21	1:99:A:SER:HB2	2	0.3	0.16	0.3
(2,1415)	1:130:A:THR:HG22	1:99:A:SER:HB2	2	0.3	0.16	0.3
(2,1415)	1:130:A:THR:HG23	1:99:A:SER:HB2	2	0.3	0.16	0.3
(2,1623)	1:55:A:PRO:HB3	1:30:A:TRP:HA	2	0.3	0.05	0.3
(2,2552)	1:129:A:ALA:H	1:136:A:GLU:HG3	2	0.28	0.02	0.28
(2,2198)	1:29:A:TYR:HE1	1:31:A:ARG:HD2	2	0.28	0.16	0.28
(2,2198)	1:29:A:TYR:HE2	1:31:A:ARG:HD2	2	0.28	0.16	0.28
(2,265)	1:21:A:LEU:H	1:22:A:LYS:H	2	0.27	0.11	0.27
(2,1212)	1:128:A:GLY:H	1:138:A:LEU:HG	2	0.27	0.02	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,727)	1:145:A:GLN:HB3	1:146:A:GLN:H	2	0.26	0.0	0.26
(2,899)	1:75:A:GLN:H	1:74:A:THR:H	2	0.26	0.12	0.26
(2,291)	1:115:A:LYS:H	1:119:A:GLY:HA2	2	0.25	0.08	0.25
(3,156)	1:54:A:ILE:H	1:34:A:MET:HE1	2	0.25	0.14	0.25
(3,156)	1:54:A:ILE:H	1:34:A:MET:HE2	2	0.25	0.14	0.25
(3,156)	1:54:A:ILE:H	1:34:A:MET:HE3	2	0.25	0.14	0.25
(2,1428)	1:73:A:VAL:HA	1:74:A:THR:HG21	2	0.24	0.1	0.24
(2,1428)	1:73:A:VAL:HA	1:74:A:THR:HG22	2	0.24	0.1	0.24
(2,1428)	1:73:A:VAL:HA	1:74:A:THR:HG23	2	0.24	0.1	0.24
(2,509)	1:168:A:MET:H	1:167:A:ARG:HD3	2	0.24	0.08	0.24
(2,509)	1:168:A:MET:H	1:167:A:ARG:HD2	2	0.24	0.08	0.24
(2,1336)	1:127:A:ALA:H	1:109:A:THR:HB	2	0.24	0.03	0.24
(2,2982)	1:158:A:GLU:H	1:158:A:GLU:HB2	2	0.24	0.08	0.24
(3,125)	1:50:A:ASP:HB3	1:50:A:ASP:H	2	0.24	0.01	0.24
(2,1145)	1:97:A:VAL:H	1:98:A:PRO:HD3	2	0.24	0.11	0.24
(2,1845)	1:146:A:GLN:HA	1:146:A:GLN:HG3	2	0.24	0.03	0.24
(2,1084)	1:130:A:THR:H	1:131:A:ALA:HB1	2	0.23	0.03	0.23
(2,1084)	1:130:A:THR:H	1:131:A:ALA:HB2	2	0.23	0.03	0.23
(2,1084)	1:130:A:THR:H	1:131:A:ALA:HB3	2	0.23	0.03	0.23
(2,1955)	1:128:A:GLY:HA3	1:129:A:ALA:HA	2	0.23	0.0	0.23
(3,23)	1:31:A:ARG:HB3	1:40:A:PHE:HD1	2	0.23	0.06	0.23
(3,23)	1:31:A:ARG:HB3	1:40:A:PHE:HD2	2	0.23	0.06	0.23
(2,1250)	1:162:A:ARG:HG2	1:163:A:GLY:H	2	0.22	0.02	0.22
(2,2137)	1:2:A:GLY:HA2	1:3:A:SER:HB2	2	0.22	0.05	0.22
(2,2137)	1:2:A:GLY:HA3	1:3:A:SER:HB2	2	0.22	0.05	0.22
(2,1486)	1:79:A:VAL:HA	1:79:A:VAL:HG11	2	0.22	0.01	0.22
(2,1486)	1:79:A:VAL:HA	1:79:A:VAL:HG12	2	0.22	0.01	0.22
(2,1486)	1:79:A:VAL:HA	1:79:A:VAL:HG13	2	0.22	0.01	0.22
(2,3226)	1:86:A:LEU:H	1:86:A:LEU:HD11	2	0.22	0.11	0.22
(2,3226)	1:86:A:LEU:H	1:86:A:LEU:HD12	2	0.22	0.11	0.22
(2,3226)	1:86:A:LEU:H	1:86:A:LEU:HD13	2	0.22	0.11	0.22
(2,690)	1:20:A:GLU:H	1:21:A:LEU:H	2	0.21	0.11	0.21
(2,739)	1:77:A:LEU:HA	1:79:A:VAL:H	2	0.21	0.0	0.21
(2,2065)	1:84:A:VAL:HG11	1:141:A:LEU:HB2	2	0.2	0.08	0.2
(2,2065)	1:84:A:VAL:HG12	1:141:A:LEU:HB2	2	0.2	0.08	0.2
(2,2065)	1:84:A:VAL:HG13	1:141:A:LEU:HB2	2	0.2	0.08	0.2
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD21	2	0.2	0.06	0.2
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD22	2	0.2	0.06	0.2
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD23	2	0.2	0.06	0.2
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD11	2	0.2	0.06	0.2
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD12	2	0.2	0.06	0.2
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD13	2	0.2	0.06	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2763)	1:83:A:GLU:HA	1:146:A:GLN:HG3	2	0.2	0.02	0.2
(2,452)	1:60:A:GLU:HB2	1:60:A:GLU:H	2	0.2	0.09	0.2
(2,529)	1:175:A:LEU:H	1:175:A:LEU:HB3	2	0.2	0.02	0.2
(2,529)	1:175:A:LEU:H	1:175:A:LEU:HB2	2	0.2	0.02	0.2
(2,570)	1:74:A:THR:HG21	1:73:A:VAL:H	2	0.2	0.02	0.2
(2,570)	1:74:A:THR:HG22	1:73:A:VAL:H	2	0.2	0.02	0.2
(2,570)	1:74:A:THR:HG23	1:73:A:VAL:H	2	0.2	0.02	0.2
(2,2761)	1:147:A:VAL:H	1:146:A:GLN:HG2	2	0.2	0.04	0.2
(2,2807)	1:149:A:VAL:HG21	1:148:A:VAL:HB	2	0.19	0.04	0.19
(2,2807)	1:149:A:VAL:HG22	1:148:A:VAL:HB	2	0.19	0.04	0.19
(2,2807)	1:149:A:VAL:HG23	1:148:A:VAL:HB	2	0.19	0.04	0.19
(1,52)	1:39:A:ARG:HA	1:40:A:PHE:HD1	2	0.18	0.04	0.18
(1,52)	1:39:A:ARG:HA	1:40:A:PHE:HD2	2	0.18	0.04	0.18
(1,260)	1:29:A:TYR:HB3	1:28:A:LEU:HB3	2	0.18	0.02	0.18
(1,489)	1:58:A:GLU:HG3	1:59:A:GLU:H	2	0.18	0.05	0.18
(1,600)	1:48:A:TYR:HB3	1:49:A:MET:H	2	0.18	0.02	0.18
(2,259)	1:19:A:ALA:H	1:18:A:GLY:H	2	0.18	0.02	0.18
(2,2499)	1:88:A:ARG:HD2	1:93:A:GLU:HG3	2	0.18	0.06	0.18
(2,2499)	1:88:A:ARG:HD3	1:93:A:GLU:HG3	2	0.18	0.06	0.18
(2,1964)	1:34:A:MET:HE1	1:33:A:PRO:HD3	2	0.18	0.04	0.18
(2,1964)	1:34:A:MET:HE2	1:33:A:PRO:HD3	2	0.18	0.04	0.18
(2,1964)	1:34:A:MET:HE3	1:33:A:PRO:HD3	2	0.18	0.04	0.18
(2,848)	1:149:A:VAL:H	1:150:A:SER:H	2	0.18	0.03	0.18
(2,3492)	1:35:A:VAL:H	1:51:A:MET:HE1	2	0.18	0.0	0.18
(2,3492)	1:35:A:VAL:H	1:51:A:MET:HE2	2	0.18	0.0	0.18
(2,3492)	1:35:A:VAL:H	1:51:A:MET:HE3	2	0.18	0.0	0.18
(2,2545)	1:144:A:GLY:H	1:83:A:GLU:HG3	2	0.17	0.02	0.17
(2,326)	1:69:A:ILE:HB	1:69:A:ILE:H	2	0.16	0.04	0.16
(2,1781)	1:168:A:MET:HA	1:168:A:MET:HG3	2	0.16	0.01	0.16
(2,3637)	1:137:A:ILE:HG21	1:125:A:VAL:HB	2	0.16	0.02	0.16
(2,3637)	1:137:A:ILE:HG22	1:125:A:VAL:HB	2	0.16	0.02	0.16
(2,3637)	1:137:A:ILE:HG23	1:125:A:VAL:HB	2	0.16	0.02	0.16
(2,258)	1:19:A:ALA:H	1:20:A:GLU:H	2	0.16	0.04	0.16
(2,550)	1:168:A:MET:HA	1:169:A:GLN:H	2	0.16	0.02	0.16
(2,728)	1:146:A:GLN:HB2	1:146:A:GLN:H	2	0.16	0.0	0.16
(2,2724)	1:51:A:MET:HB3	1:49:A:MET:HB2	2	0.16	0.02	0.16
(2,3643)	1:120:A:PHE:HE1	1:112:A:MET:HE1	2	0.16	0.03	0.16
(2,3643)	1:120:A:PHE:HE1	1:112:A:MET:HE2	2	0.16	0.03	0.16
(2,3643)	1:120:A:PHE:HE1	1:112:A:MET:HE3	2	0.16	0.03	0.16
(2,3643)	1:120:A:PHE:HE2	1:112:A:MET:HE1	2	0.16	0.03	0.16
(2,3643)	1:120:A:PHE:HE2	1:112:A:MET:HE2	2	0.16	0.03	0.16
(2,3643)	1:120:A:PHE:HE2	1:112:A:MET:HE3	2	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,87)	1:38:A:GLN:HG3	1:35:A:VAL:HG21	2	0.16	0.01	0.16
(3,87)	1:38:A:GLN:HG3	1:35:A:VAL:HG22	2	0.16	0.01	0.16
(3,87)	1:38:A:GLN:HG3	1:35:A:VAL:HG23	2	0.16	0.01	0.16
(3,87)	1:38:A:GLN:HG2	1:35:A:VAL:HG21	2	0.16	0.01	0.16
(3,87)	1:38:A:GLN:HG2	1:35:A:VAL:HG22	2	0.16	0.01	0.16
(3,87)	1:38:A:GLN:HG2	1:35:A:VAL:HG23	2	0.16	0.01	0.16
(2,2708)	1:126:A:LYS:HB3	1:139:A:GLU:HB2	2	0.16	0.02	0.16
(2,273)	1:19:A:ALA:HB1	1:21:A:LEU:H	2	0.16	0.05	0.16
(2,273)	1:19:A:ALA:HB2	1:21:A:LEU:H	2	0.16	0.05	0.16
(2,273)	1:19:A:ALA:HB3	1:21:A:LEU:H	2	0.16	0.05	0.16
(2,3450)	1:127:A:ALA:HB1	1:137:A:ILE:HD11	2	0.16	0.01	0.16
(2,3450)	1:127:A:ALA:HB1	1:137:A:ILE:HD12	2	0.16	0.01	0.16
(2,3450)	1:127:A:ALA:HB1	1:137:A:ILE:HD13	2	0.16	0.01	0.16
(2,3450)	1:127:A:ALA:HB2	1:137:A:ILE:HD11	2	0.16	0.01	0.16
(2,3450)	1:127:A:ALA:HB2	1:137:A:ILE:HD12	2	0.16	0.01	0.16
(2,3450)	1:127:A:ALA:HB2	1:137:A:ILE:HD13	2	0.16	0.01	0.16
(2,3450)	1:127:A:ALA:HB3	1:137:A:ILE:HD11	2	0.16	0.01	0.16
(2,3450)	1:127:A:ALA:HB3	1:137:A:ILE:HD12	2	0.16	0.01	0.16
(2,3450)	1:127:A:ALA:HB3	1:137:A:ILE:HD13	2	0.16	0.01	0.16
(2,278)	1:65:A:ALA:H	1:63:A:ASP:HB3	2	0.15	0.01	0.15
(2,278)	1:65:A:ALA:H	1:63:A:ASP:HB2	2	0.15	0.01	0.15
(2,1840)	1:38:A:GLN:HA	1:38:A:GLN:HG3	2	0.15	0.05	0.15
(2,1840)	1:38:A:GLN:HA	1:38:A:GLN:HG2	2	0.15	0.05	0.15
(1,464)	1:43:A:PRO:HA	1:30:A:TRP:HZ2	2	0.15	0.0	0.15
(2,2344)	1:53:A:LEU:HD21	1:40:A:PHE:HB2	2	0.15	0.0	0.15
(2,2344)	1:53:A:LEU:HD22	1:40:A:PHE:HB2	2	0.15	0.0	0.15
(2,2344)	1:53:A:LEU:HD23	1:40:A:PHE:HB2	2	0.15	0.0	0.15
(3,154)	1:52:A:PRO:HB2	1:54:A:ILE:H	2	0.14	0.03	0.14
(2,371)	1:75:A:GLN:H	1:76:A:ASN:H	2	0.14	0.01	0.14
(2,2103)	1:166:A:ALA:HB1	1:163:A:GLY:HA2	2	0.14	0.0	0.14
(2,2103)	1:166:A:ALA:HB2	1:163:A:GLY:HA2	2	0.14	0.0	0.14
(2,2103)	1:166:A:ALA:HB3	1:163:A:GLY:HA2	2	0.14	0.0	0.14
(2,2103)	1:166:A:ALA:HB1	1:163:A:GLY:HA3	2	0.14	0.0	0.14
(2,2103)	1:166:A:ALA:HB2	1:163:A:GLY:HA3	2	0.14	0.0	0.14
(2,2103)	1:166:A:ALA:HB3	1:163:A:GLY:HA3	2	0.14	0.0	0.14
(2,2165)	1:119:A:GLY:H	1:118:A:GLY:HA2	2	0.14	0.04	0.14
(2,3321)	1:109:A:THR:HG21	1:104:A:ARG:HG2	2	0.14	0.02	0.14
(2,3321)	1:109:A:THR:HG22	1:104:A:ARG:HG2	2	0.14	0.02	0.14
(2,3321)	1:109:A:THR:HG23	1:104:A:ARG:HG2	2	0.14	0.02	0.14
(3,77)	1:39:A:ARG:H	1:39:A:ARG:HG2	2	0.14	0.02	0.14
(3,77)	1:39:A:ARG:H	1:39:A:ARG:HG3	2	0.14	0.02	0.14
(2,736)	1:79:A:VAL:H	1:78:A:GLY:H	2	0.14	0.02	0.14

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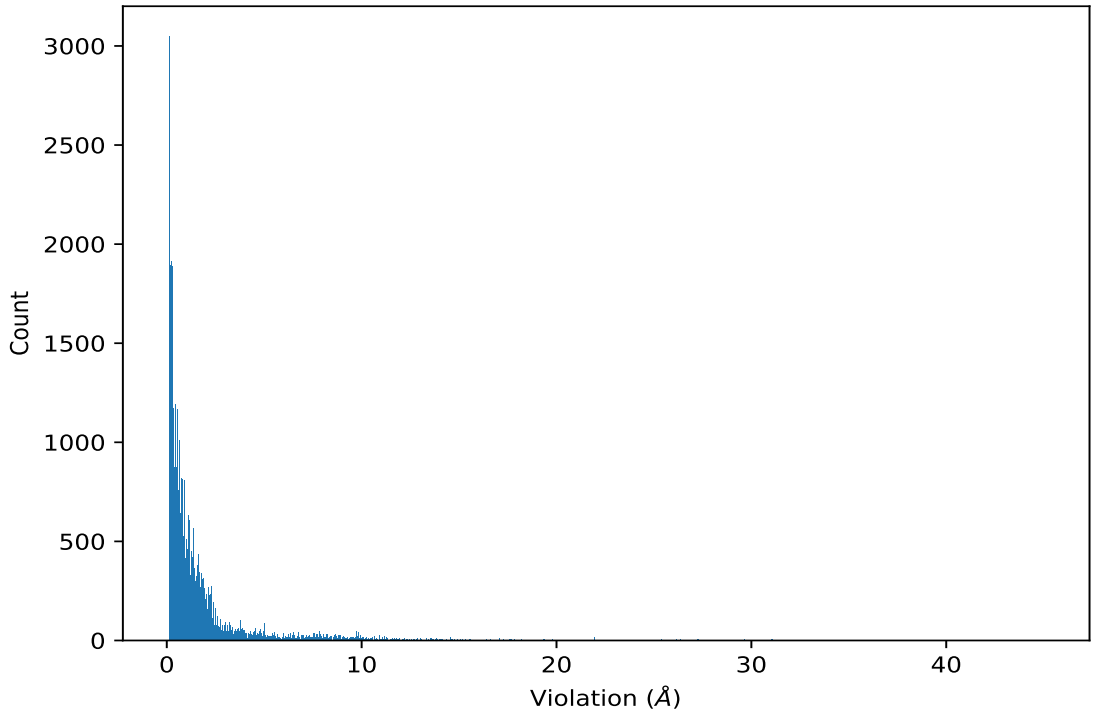
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,991)	1:172:A:THR:H	1:171:A:THR:HA	2	0.14	0.01	0.14
(2,1036)	1:22:A:LYS:HB3	1:23:A:THR:H	2	0.14	0.01	0.14
(2,1036)	1:22:A:LYS:HB2	1:23:A:THR:H	2	0.14	0.01	0.14
(1,184)	1:61:A:ASN:HA	1:61:A:ASN:HB2	2	0.13	0.03	0.13
(1,648)	1:40:A:PHE:H	1:29:A:TYR:HA	2	0.13	0.01	0.13
(2,3)	1:129:A:ALA:H	1:128:A:GLY:H	2	0.13	0.0	0.13
(2,160)	1:103:A:ILE:H	1:110:A:ILE:HG21	2	0.13	0.01	0.13
(2,160)	1:103:A:ILE:H	1:110:A:ILE:HG22	2	0.13	0.01	0.13
(2,160)	1:103:A:ILE:H	1:110:A:ILE:HG23	2	0.13	0.01	0.13
(2,2316)	1:83:A:GLU:H	1:85:A:LYS:HE3	2	0.13	0.01	0.13
(2,2316)	1:83:A:GLU:H	1:85:A:LYS:HE2	2	0.13	0.01	0.13
(2,3518)	1:49:A:MET:HA	1:49:A:MET:HE1	2	0.13	0.03	0.13
(2,3518)	1:49:A:MET:HA	1:49:A:MET:HE2	2	0.13	0.03	0.13
(2,3518)	1:49:A:MET:HA	1:49:A:MET:HE3	2	0.13	0.03	0.13
(2,3625)	1:167:A:ARG:HA	1:168:A:MET:HE1	2	0.13	0.03	0.13
(2,3625)	1:167:A:ARG:HA	1:168:A:MET:HE2	2	0.13	0.03	0.13
(2,3625)	1:167:A:ARG:HA	1:168:A:MET:HE3	2	0.13	0.03	0.13
(3,118)	1:46:A:SER:H	1:51:A:MET:HB2	2	0.13	0.03	0.13
(2,349)	1:113:A:VAL:HB	1:121:A:ASP:H	2	0.12	0.02	0.12
(2,1571)	1:81:A:THR:HA	1:82:A:ALA:HA	2	0.12	0.01	0.12
(2,1706)	1:120:A:PHE:HE1	1:120:A:PHE:HA	2	0.12	0.01	0.12
(2,1706)	1:120:A:PHE:HE2	1:120:A:PHE:HA	2	0.12	0.01	0.12
(1,418)	1:35:A:VAL:HG11	1:32:A:ASP:HB2	2	0.12	0.0	0.12
(1,418)	1:35:A:VAL:HG12	1:32:A:ASP:HB2	2	0.12	0.0	0.12
(1,418)	1:35:A:VAL:HG13	1:32:A:ASP:HB2	2	0.12	0.0	0.12
(2,363)	1:86:A:LEU:H	1:85:A:LYS:HE3	2	0.12	0.02	0.12
(2,363)	1:86:A:LEU:H	1:85:A:LYS:HE2	2	0.12	0.02	0.12
(2,1015)	1:137:A:ILE:HA	1:139:A:GLU:H	2	0.12	0.02	0.12
(1,554)	1:50:A:ASP:H	1:49:A:MET:HE1	2	0.11	0.0	0.11
(1,554)	1:50:A:ASP:H	1:49:A:MET:HE2	2	0.11	0.0	0.11
(1,554)	1:50:A:ASP:H	1:49:A:MET:HE3	2	0.11	0.0	0.11
(2,782)	1:88:A:ARG:H	1:88:A:ARG:HD3	2	0.11	0.0	0.11
(2,782)	1:88:A:ARG:H	1:88:A:ARG:HD2	2	0.11	0.0	0.11
(2,1730)	1:21:A:LEU:H	1:20:A:GLU:HA	2	0.11	0.0	0.11
(2,2517)	1:125:A:VAL:H	1:124:A:GLU:HG2	2	0.11	0.0	0.11
(2,2663)	1:42:A:LYS:HB3	1:43:A:PRO:HD2	2	0.11	0.0	0.11
(2,2665)	1:42:A:LYS:HB2	1:43:A:PRO:HD2	2	0.11	0.0	0.11
(2,3240)	1:85:A:LYS:HA	1:85:A:LYS:HG2	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	20	45.1
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	15	42.08
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	6	38.62
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	14	38.61
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	14	38.61
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	14	38.61
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	3	38.02
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	18	37.46
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	18	37.46
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	18	37.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	11	36.46
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	7	34.15
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	20	34.0
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	18	33.97
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	13	32.01
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	5	31.26
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	5	31.26
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	5	31.26
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	6	31.07
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	6	31.07
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	6	31.07
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	6	31.07
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	6	31.07
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	6	31.07
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	18	31.04
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	18	31.04
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	18	31.04
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	18	31.04
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	18	31.04
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	18	31.04
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	14	30.84
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	2	30.77
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	2	30.77
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	2	30.77
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	6	30.61
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	6	30.61
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	6	30.61
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	14	30.19
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	10	30.12
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	1	29.85
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	11	29.78
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	14	29.63
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	14	29.63
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	14	29.63
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	14	29.63
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	14	29.63
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	14	29.63
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	17	29.57
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	8	29.33
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	4	29.05
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	4	28.68
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	11	28.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	19	28.59
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	19	28.31
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	19	28.31
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	19	28.31
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	20	28.24
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	17	28.2
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	13	28.17
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	5	28.01
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	17	27.98
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	5	27.69
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	20	27.64
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	8	27.61
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	7	27.45
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	8	27.3
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	5	27.29
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	5	27.29
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	5	27.29
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	5	27.29
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	5	27.29
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	5	27.29
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	19	27.23
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	3	27.21
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	3	27.21
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	3	27.21
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	5	27.21
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	9	27.12
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	4	26.87
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	11	26.86
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	11	26.86
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	11	26.86
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	20	26.77
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	20	26.77
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	20	26.77
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	2	26.63
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	14	26.46
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	7	26.4
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	7	26.4
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	7	26.4
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	7	26.4
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	7	26.4
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	7	26.4
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	7	26.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	7	26.29
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	7	26.29
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	12	26.19
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	12	26.19
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	12	26.19
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	12	26.19
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	12	26.19
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	12	26.19
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	4	26.19
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	15	26.18
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	17	26.12
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	15	26.11
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	17	26.09
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	17	26.09
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	17	26.09
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	8	25.91
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	2	25.55
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	15	25.53
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	10	25.36
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	10	25.36
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	10	25.36
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	10	25.36
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	10	25.36
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	10	25.36
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	12	25.31
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	17	25.18
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	12	25.18
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	12	25.18
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	12	25.18
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	2	25.14
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	11	25.06
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	4	24.82
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	19	24.39
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	4	24.34
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	1	24.27
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	1	24.27
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	1	24.27
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	13	24.11
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	1	24.03
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	20	23.82
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	10	23.79
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	10	23.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	10	23.79
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	16	23.63
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	13	23.54
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	18	23.53
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	5	23.25
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	11	23.18
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	19	23.06
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	5	23.05
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	3	23.03
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	16	22.94
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	3	22.85
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	2	22.84
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	7	22.49
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	19	22.4
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	7	22.09
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	11	22.07
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	19	22.05
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	17	21.95
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	17	21.95
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	17	21.95
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	17	21.95
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	17	21.95
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	17	21.95
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	1	21.95
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	11	21.94
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	14	21.94
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	19	21.93
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	19	21.93
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	19	21.93
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	19	21.93
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	19	21.93
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	19	21.93
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	19	21.9
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	2	21.88
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	18	21.83
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	18	21.83
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	18	21.83
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	1	21.69
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	16	21.64
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	2	21.35
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	18	21.32
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	10	21.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	19	21.19
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	8	20.98
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	12	20.91
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	8	20.82
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	11	20.78
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	6	20.76
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	16	20.74
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	1	20.65
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	14	20.62
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	2	20.48
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	4	20.38
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	18	20.36
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	3	20.34
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	9	20.14
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	9	20.14
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	9	20.14
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	13	20.03
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	18	20.0
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	14	19.99
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	2	19.78
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	2	19.78
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	2	19.78
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	2	19.78
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	2	19.78
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	2	19.78
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	20	19.77
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	8	19.72
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	12	19.65
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	16	19.63
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	16	19.63
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	16	19.63
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	18	19.59
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	4	19.44
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	18	19.4
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	11	19.36
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	11	19.36
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	11	19.36
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	11	19.36
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	11	19.36
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	11	19.36
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	20	19.33
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	20	19.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	20	19.33
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	20	19.33
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	20	19.33
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	20	19.33
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	3	19.19
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	12	19.17
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	12	19.14
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	8	18.97
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	3	18.96
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	14	18.84
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	2	18.8
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	2	18.8
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	2	18.8
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	10	18.73
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	11	18.71
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	6	18.66
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	20	18.6
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	9	18.53
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	11	18.43
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	11	18.43
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	11	18.43
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	10	18.32
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	19	18.31
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	19	18.31
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	19	18.31
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	12	18.23
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	18	18.22
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	18	18.21
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	18	18.21
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	18	18.21
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	3	18.18
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	7	18.16
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	4	18.15
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	13	18.13
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	17	18.1
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	19	18.1
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	6	18.04
(4,23)	1:87:A:GLY:HA3	1:75:A:GLN:H	9	18.02
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	9	18.02
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	10	17.95
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	8	17.92
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	2	17.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	2	17.91
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	2	17.91
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	8	17.88
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	8	17.88
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	8	17.88
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	9	17.82
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	3	17.81
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	3	17.81
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	3	17.81
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	3	17.81
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	3	17.81
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	3	17.81
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	2	17.8
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	9	17.78
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	11	17.74
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	7	17.73
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	6	17.71
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	2	17.68
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	2	17.68
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	2	17.68
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	4	17.68
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	4	17.68
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	4	17.68
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	1	17.65
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	1	17.65
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	1	17.65
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	1	17.65
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	1	17.65
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	1	17.65
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	10	17.65
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	16	17.62
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	14	17.58
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	4	17.55
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	4	17.55
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	4	17.55
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	4	17.55
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	4	17.55
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	4	17.55
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	13	17.54
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	13	17.54
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	13	17.54
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	17	17.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	20	17.41
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	19	17.32
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	15	17.31
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	15	17.3
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	7	17.3
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	17	17.29
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	17	17.29
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	17	17.29
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	7	17.27
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	7	17.27
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	7	17.27
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	7	17.19
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	8	17.17
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	8	17.11
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	19	17.07
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	19	17.07
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	19	17.07
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	13	17.06
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	13	17.06
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	13	17.06
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	13	17.06
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	13	17.06
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	13	17.06
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	16	17.06
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	16	17.0
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	6	17.0
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	16	16.98
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	18	16.97
(4,89)	1:17:A:ALA:HA	1:32:A:ASP:HB3	6	16.96
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	16	16.93
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	16	16.91
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	1	16.85
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	5	16.79
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	15	16.65
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	5	16.64
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	1	16.63
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	1	16.63
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	1	16.63
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	18	16.6
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	14	16.6
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	7	16.59
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	2	16.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	5	16.41
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	5	16.41
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	5	16.41
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	20	16.41
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	20	16.41
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	20	16.41
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	12	16.39
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	5	16.29
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	5	16.28
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	10	16.22
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	6	16.21
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	13	16.09
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	1	16.04
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	10	15.99
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	13	15.94
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	1	15.94
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	4	15.92
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	7	15.87
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	7	15.87
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	7	15.87
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	6	15.8
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	8	15.75
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	8	15.75
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	8	15.75
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	3	15.69
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	15	15.58
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	15	15.58
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	15	15.58
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	15	15.58
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	15	15.58
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	15	15.58
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	1	15.57
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	1	15.57
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	1	15.57
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	2	15.53
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	2	15.53
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	2	15.53
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	14	15.5
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	14	15.5
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	14	15.5
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	14	15.45
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	13	15.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	10	15.36
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	10	15.36
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	10	15.36
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	1	15.32
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	12	15.32
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	12	15.32
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	12	15.32
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	3	15.3
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	12	15.29
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	14	15.28
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	14	15.28
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	14	15.28
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	19	15.22
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	19	15.22
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	19	15.22
(4,43)	1:90:A:GLY:H	1:144:A:GLY:HA2	5	15.22
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	16	15.2
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	16	15.2
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	16	15.2
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	20	15.2
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	20	15.2
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	20	15.2
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	10	15.09
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	10	15.09
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	10	15.09
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	11	15.07
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	11	15.07
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	11	15.07
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	3	15.06
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	3	15.05
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	10	15.03
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	10	15.03
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	10	15.03
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	3	14.97
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	3	14.97
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	3	14.97
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	7	14.95
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	16	14.94
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	16	14.94
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	16	14.94
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	18	14.93
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	18	14.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	18	14.9
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	18	14.9
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	17	14.88
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	17	14.88
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	17	14.88
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	15	14.8
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	15	14.8
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	15	14.8
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	13	14.76
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	13	14.76
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	13	14.76
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	16	14.76
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	16	14.76
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	16	14.76
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	16	14.76
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	16	14.76
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	16	14.76
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	4	14.74
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	14	14.72
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	15	14.7
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	3	14.66
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	3	14.66
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	3	14.66
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	5	14.65
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	5	14.65
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	5	14.65
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	12	14.63
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	20	14.62
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	20	14.61
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	20	14.61
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	20	14.61
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	4	14.57
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	4	14.57
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	4	14.57
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	7	14.57
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	18	14.56
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	18	14.56
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	18	14.56
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	18	14.55
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	18	14.55
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	18	14.55
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	9	14.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	9	14.55
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	9	14.55
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	9	14.55
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	9	14.55
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	9	14.55
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	14	14.54
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	17	14.53
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	17	14.53
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	17	14.53
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	4	14.42
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	8	14.39
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	8	14.39
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	8	14.39
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	4	14.38
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	8	14.38
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	8	14.38
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	8	14.38
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	12	14.3
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	12	14.3
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	12	14.3
(4,68)	1:35:A:VAL:HG11	1:81:A:THR:HA	4	14.25
(4,68)	1:35:A:VAL:HG12	1:81:A:THR:HA	4	14.25
(4,68)	1:35:A:VAL:HG13	1:81:A:THR:HA	4	14.25
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	1	14.24
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	1	14.24
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	1	14.24
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	17	14.21
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	9	14.14
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	5	14.13
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	5	14.13
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	5	14.13
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	12	14.13
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	7	14.11
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	20	14.11
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	14	14.1
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	14	14.1
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	14	14.1
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	18	14.08
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	17	14.08
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	17	14.08
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	17	14.08
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	18	14.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	7	14.04
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	9	14.02
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	9	14.02
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	9	14.02
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	14	14.02
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	12	14.0
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	12	14.0
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	12	14.0
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	9	13.99
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	9	13.99
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	9	13.99
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	14	13.98
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	10	13.97
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	10	13.97
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	10	13.97
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	11	13.96
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	2	13.93
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	17	13.91
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	9	13.9
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	10	13.88
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	8	13.87
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	8	13.87
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	8	13.87
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	9	13.87
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	9	13.87
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	9	13.87
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	8	13.86
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	19	13.84
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	16	13.84
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	17	13.84
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	10	13.82
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	16	13.82
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	16	13.82
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	16	13.82
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	16	13.81
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	8	13.8
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	8	13.8
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	8	13.8
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	6	13.77
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	6	13.77
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	6	13.77
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	13	13.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	13	13.77
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	13	13.77
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	11	13.76
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	18	13.72
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	18	13.72
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	18	13.72
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	1	13.66
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	1	13.66
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	1	13.66
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	4	13.66
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	4	13.66
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	4	13.66
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	7	13.65
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	7	13.65
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	7	13.65
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	20	13.63
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	19	13.62
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	18	13.62
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	2	13.62
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	2	13.62
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	2	13.62
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	20	13.6
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	7	13.59
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	7	13.59
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	7	13.59
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	8	13.56
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	10	13.55
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	10	13.55
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	10	13.55
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	19	13.55
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	19	13.55
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	19	13.55
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	10	13.54
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	13	13.53
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	13	13.53
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	13	13.53
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	14	13.5
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	14	13.5
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	14	13.5
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	20	13.5
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	20	13.5
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	20	13.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	14	13.49
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	18	13.48
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	5	13.47
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	12	13.46
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	11	13.42
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	11	13.42
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	11	13.42
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	15	13.42
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	5	13.42
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	5	13.42
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	5	13.42
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	1	13.35
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	14	13.34
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	14	13.34
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	14	13.34
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	4	13.33
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	4	13.33
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	4	13.33
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	1	13.33
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	11	13.31
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	11	13.31
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	11	13.31
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	13	13.28
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	15	13.27
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	15	13.27
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	15	13.27
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	1	13.22
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	1	13.22
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	1	13.22
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	14	13.19
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	1	13.18
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	5	13.17
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	2	13.12
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	17	13.09
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	6	13.09
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	5	13.09
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	4	13.08
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	13	13.08
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	18	13.07
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	19	13.04
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	19	13.04
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	19	13.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	11	13.02
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	11	13.02
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	11	13.02
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	8	13.01
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	8	13.01
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	8	13.01
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	10	13.01
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	1	12.97
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	1	12.97
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	15	12.93
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	4	12.93
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	3	12.92
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	15	12.91
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	10	12.89
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	10	12.89
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	10	12.89
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	10	12.89
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	10	12.89
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	10	12.89
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	4	12.88
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	4	12.88
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	4	12.88
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	16	12.88
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	3	12.88
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	10	12.87
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	6	12.87
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	20	12.86
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	4	12.85
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	20	12.84
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	20	12.84
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	20	12.84
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	15	12.83
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	16	12.83
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	1	12.82
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	13	12.81
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	15	12.79
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	15	12.78
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	12	12.77
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	2	12.77
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	14	12.74
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	8	12.73
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	7	12.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	6	12.71
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG11	15	12.71
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG12	15	12.71
(4,24)	1:26:A:ARG:H	1:35:A:VAL:HG13	15	12.71
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	3	12.68
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	13	12.66
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	13	12.66
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	13	12.66
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	4	12.66
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	11	12.66
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	19	12.64
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	20	12.63
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	1	12.62
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	6	12.59
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	19	12.59
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	5	12.58
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	5	12.56
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	12	12.55
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	13	12.54
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	13	12.52
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	8	12.52
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	7	12.49
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	6	12.49
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	9	12.48
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	9	12.47
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	15	12.47
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	13	12.42
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	8	12.39
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	3	12.38
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	15	12.37
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	15	12.37
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	15	12.37
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	9	12.34
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	9	12.34
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	9	12.34
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	3	12.34
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	5	12.33
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	5	12.33
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	5	12.33
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	10	12.31
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	18	12.29
(4,49)	1:126:A:LYS:HA	1:133:A:GLY:H	17	12.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	10	12.27
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	9	12.24
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	6	12.24
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	17	12.22
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	6	12.21
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	9	12.2
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	17	12.2
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	11	12.19
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	2	12.18
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	20	12.17
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	20	12.17
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	20	12.17
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	15	12.16
(4,70)	1:85:A:LYS:HG3	1:91:A:SER:HA	6	12.15
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	14	12.15
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	7	12.14
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	12	12.14
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	12	12.14
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	12	12.14
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	19	12.13
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	20	12.12
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	1	12.11
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	5	12.1
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	20	12.1
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	14	12.09
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	14	12.09
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	14	12.09
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	8	12.07
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	7	12.06
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	19	12.06
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	19	12.05
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	11	12.04
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	12	11.98
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	14	11.98
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	17	11.98
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	7	11.92
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	7	11.92
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	7	11.92
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	16	11.92
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	10	11.9
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	10	11.9
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	10	11.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	9	11.9
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	3	11.9
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	3	11.9
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	3	11.9
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	10	11.89
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	14	11.89
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	6	11.87
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	6	11.87
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	6	11.87
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	15	11.85
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	2	11.84
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	8	11.81
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	12	11.8
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	12	11.8
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	5	11.79
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	17	11.79
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	14	11.79
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	14	11.79
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	14	11.79
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	18	11.78
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	3	11.77
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	3	11.77
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	3	11.77
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	16	11.77
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	18	11.76
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	16	11.72
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	1	11.72
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	10	11.72
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	10	11.72
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	10	11.72
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	6	11.7
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	6	11.7
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	6	11.7
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	8	11.68
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	10	11.68
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	11	11.67
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	15	11.66
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	15	11.66
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	15	11.66
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	7	11.66
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	18	11.66
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	16	11.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	16	11.64
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	16	11.64
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	9	11.63
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	9	11.63
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	9	11.63
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	20	11.61
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	13	11.61
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	12	11.59
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	12	11.59
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	12	11.59
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	1	11.59
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	4	11.59
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	19	11.58
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	19	11.58
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	19	11.58
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	8	11.58
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	8	11.58
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	8	11.58
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	15	11.57
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	12	11.57
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	11	11.54
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	11	11.54
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	18	11.54
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	18	11.54
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	18	11.54
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	8	11.52
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	12	11.51
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	7	11.5
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	8	11.49
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	9	11.49
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	10	11.49
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	15	11.49
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	11	11.47
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	11	11.47
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	11	11.47
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	5	11.46
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	18	11.43
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	9	11.4
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	17	11.36
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	4	11.35
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	13	11.34
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	18	11.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	18	11.34
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	18	11.34
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	16	11.33
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	16	11.33
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	16	11.33
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	8	11.3
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	8	11.3
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	8	11.3
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	17	11.3
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	17	11.3
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	17	11.3
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	5	11.29
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	6	11.28
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	6	11.28
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	6	11.28
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	2	11.27
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	8	11.27
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	3	11.27
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	8	11.27
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	8	11.27
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	8	11.27
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	12	11.26
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	7	11.25
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	7	11.25
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	7	11.25
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	14	11.25
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	9	11.25
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	12	11.24
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	12	11.24
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	6	11.22
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	6	11.22
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	6	11.22
(4,21)	1:75:A:GLN:H	1:133:A:GLY:HA2	9	11.22
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	15	11.21
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	7	11.2
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	7	11.2
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	7	11.2
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	6	11.2
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	20	11.2
(4,71)	1:101:A:ALA:HB1	1:91:A:SER:HA	2	11.19
(4,71)	1:101:A:ALA:HB2	1:91:A:SER:HA	2	11.19
(4,71)	1:101:A:ALA:HB3	1:91:A:SER:HA	2	11.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	17	11.19
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	2	11.17
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	2	11.17
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	2	11.17
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	10	11.17
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	7	11.17
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	16	11.16
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	3	11.16
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	3	11.16
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	3	11.16
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	7	11.16
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	7	11.16
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	7	11.16
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	1	11.15
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	17	11.15
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	17	11.14
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	3	11.14
(4,57)	1:68:A:ARG:HA	1:172:A:THR:HB	17	11.14
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	4	11.13
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	12	11.12
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	13	11.12
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	5	11.11
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	16	11.1
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	20	11.1
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	10	11.09
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	16	11.09
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	3	11.09
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	14	11.08
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	8	11.08
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	12	11.06
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	5	11.06
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	5	11.06
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	5	11.06
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	13	11.05
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	13	11.05
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	13	11.05
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	19	11.05
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	4	11.05
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	12	11.05
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	12	11.05
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	12	11.05
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	5	11.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	4	11.03
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	13	11.03
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	13	11.03
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	13	11.03
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	17	11.02
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	5	11.02
(4,44)	1:90:A:GLY:H	1:137:A:ILE:HA	15	11.02
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	6	11.01
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	4	10.99
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	11	10.99
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	14	10.99
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	1	10.97
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	8	10.97
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	13	10.97
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	16	10.97
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	1	10.95
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	13	10.94
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	7	10.93
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	10	10.92
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	1	10.92
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	1	10.92
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	1	10.92
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	10	10.92
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	10	10.92
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	10	10.92
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	16	10.92
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	16	10.92
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	16	10.92
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	10	10.91
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	10	10.91
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	10	10.91
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	19	10.9
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	4	10.9
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	5	10.9
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	11	10.9
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	5	10.9
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	5	10.9
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	5	10.9
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	8	10.9
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	8	10.9
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	8	10.9
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	7	10.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,93)	1:144:A:GLY:HA2	1:139:A:GLU:HG3	2	10.85
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	1	10.85
(4,117)	1:45:A:LYS:HD2	1:43:A:PRO:HD2	15	10.84
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	3	10.82
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	2	10.81
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	1	10.81
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	16	10.8
(4,56)	1:68:A:ARG:HA	1:171:A:THR:HB	17	10.8
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	10	10.8
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	1	10.77
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	14	10.77
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	14	10.77
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	14	10.77
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	9	10.76
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	9	10.76
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	9	10.76
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	3	10.75
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	8	10.75
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	5	10.75
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	5	10.75
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	5	10.75
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	4	10.74
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	4	10.74
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	4	10.74
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	13	10.73
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	14	10.72
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	19	10.71
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	19	10.71
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	19	10.71
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	18	10.7
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	18	10.7
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	18	10.7
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	9	10.7
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	9	10.7
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	9	10.7
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	9	10.7
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	17	10.7
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	17	10.7
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	17	10.7
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	12	10.69
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	4	10.69
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	18	10.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	3	10.66
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	4	10.66
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	4	10.66
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	4	10.66
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	9	10.65
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	2	10.65
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	3	10.65
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	18	10.65
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	6	10.64
(4,50)	1:85:A:LYS:HA	1:133:A:GLY:H	4	10.64
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	15	10.62
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	2	10.61
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	14	10.59
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	14	10.59
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	14	10.59
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	5	10.58
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	2	10.58
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	2	10.58
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	2	10.58
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	13	10.58
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	6	10.57
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	17	10.57
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	12	10.56
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	12	10.56
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	12	10.56
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	3	10.55
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	16	10.55
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	6	10.55
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	6	10.55
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	6	10.55
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	1	10.54
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	17	10.53
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	8	10.52
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	6	10.52
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	4	10.52
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	5	10.51
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	5	10.51
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	5	10.51
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	15	10.51
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	15	10.51
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	15	10.51
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	18	10.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	11	10.5
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	19	10.49
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	19	10.49
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	19	10.49
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	15	10.47
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	15	10.47
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	15	10.47
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	20	10.47
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	15	10.46
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	15	10.46
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	15	10.46
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	20	10.45
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	20	10.43
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	20	10.43
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	20	10.43
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	9	10.42
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	18	10.42
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	6	10.42
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	11	10.41
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	12	10.38
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	12	10.38
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	12	10.38
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	7	10.38
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	6	10.37
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	1	10.37
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	1	10.37
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	1	10.37
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	5	10.37
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	8	10.36
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	16	10.36
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	7	10.32
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG11	11	10.31
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG12	11	10.31
(4,25)	1:59:A:GLU:H	1:35:A:VAL:HG13	11	10.31
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	12	10.3
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	3	10.29
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	14	10.28
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	14	10.28
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	14	10.28
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	7	10.27
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	7	10.27
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	7	10.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	20	10.25
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	17	10.24
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	17	10.24
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	17	10.24
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	4	10.24
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	5	10.23
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	5	10.23
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	5	10.23
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	5	10.23
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	5	10.23
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	5	10.23
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	5	10.23
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	16	10.23
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	4	10.22
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	4	10.22
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	4	10.22
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	1	10.22
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	11	10.21
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	11	10.21
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	11	10.21
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	9	10.18
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	14	10.17
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	14	10.17
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	14	10.17
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	15	10.16
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	9	10.15
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	9	10.15
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	9	10.15
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	2	10.15
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	19	10.15
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	8	10.14
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	7	10.14
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	2	10.13
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	2	10.13
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	2	10.13
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	5	10.13
(4,118)	1:85:A:LYS:HD3	1:94:A:ARG:HD3	18	10.11
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	9	10.11
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	20	10.11
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	8	10.09
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	14	10.07
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	14	10.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	14	10.07
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	14	10.07
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	14	10.07
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	14	10.07
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	4	10.06
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	14	10.06
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	10	10.05
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	10	10.05
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	10	10.05
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	17	10.05
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	17	10.05
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	17	10.05
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	18	10.05
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	19	10.05
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	12	10.05
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	17	10.05
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	9	10.04
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	9	10.04
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	9	10.04
(4,94)	1:28:A:LEU:HA	1:44:A:GLY:HA3	17	10.04
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	19	10.04
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	3	10.03
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	20	10.02
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	20	10.02
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	20	10.02
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	1	10.01
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	1	10.01
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	1	10.01
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	3	10.01
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	9	10.0
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	8	10.0
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	6	9.99
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	2	9.98
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	13	9.98
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	13	9.98
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	13	9.98
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	8	9.97
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	8	9.96
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	8	9.96
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	8	9.96
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	4	9.96
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	6	9.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	13	9.95
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	13	9.95
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	13	9.95
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	15	9.95
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	17	9.94
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	17	9.94
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	17	9.94
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	4	9.94
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	4	9.94
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	4	9.94
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	9	9.94
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	11	9.94
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	1	9.92
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	1	9.92
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	1	9.92
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	1	9.92
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	12	9.92
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	12	9.92
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	12	9.92
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	20	9.91
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	16	9.91
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	5	9.9
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	5	9.9
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	5	9.9
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	2	9.9
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	2	9.9
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	2	9.9
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	10	9.9
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	5	9.9
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	1	9.88
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	19	9.88
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	3	9.87
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	3	9.87
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	3	9.87
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	14	9.87
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	11	9.86
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	11	9.86
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	11	9.86
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	6	9.86
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	6	9.86
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	6	9.86
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	18	9.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,22)	1:75:A:GLN:H	1:122:A:PRO:HD2	2	9.86
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	20	9.84
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	17	9.83
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	17	9.83
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	17	9.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	17	9.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	17	9.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	17	9.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	17	9.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	17	9.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	17	9.83
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	17	9.83
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	17	9.83
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	17	9.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	17	9.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	17	9.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	17	9.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	17	9.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	17	9.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	17	9.83
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	4	9.82
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	4	9.82
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	4	9.82
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	7	9.82
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	11	9.82
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	9	9.82
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	1	9.81
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	1	9.81
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	1	9.81
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	1	9.81
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	1	9.81
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	1	9.81
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	19	9.81
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	19	9.81
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	19	9.81
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	11	9.81
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	9	9.81
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	1	9.8
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	1	9.8
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	1	9.8
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	20	9.8
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	20	9.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	20	9.8
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	2	9.78
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	17	9.78
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	3	9.77
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	19	9.77
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	19	9.77
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	19	9.77
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	19	9.76
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	3	9.76
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	2	9.75
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	2	9.75
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	2	9.75
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	13	9.75
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	13	9.75
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	13	9.75
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	14	9.75
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	14	9.75
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	14	9.75
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	10	9.75
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	13	9.75
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	16	9.75
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	17	9.74
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	17	9.74
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	17	9.74
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	16	9.74
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	7	9.73
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	7	9.73
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	7	9.73
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	7	9.73
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	7	9.73
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	7	9.73
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	7	9.73
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	7	9.73
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	7	9.73
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	7	9.73
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	7	9.73
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	7	9.73
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	7	9.73
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	7	9.73
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	7	9.73
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	7	9.73
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	7	9.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	7	9.73
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	3	9.73
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	3	9.73
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	3	9.73
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	17	9.73
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	17	9.73
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	17	9.73
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	15	9.73
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	2	9.73
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	13	9.73
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	16	9.72
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	16	9.72
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	16	9.72
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	18	9.72
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	18	9.72
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	18	9.72
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	20	9.72
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	11	9.72
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	11	9.72
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	11	9.72
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	11	9.72
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	16	9.72
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	3	9.71
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	3	9.71
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	3	9.71
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	3	9.71
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	3	9.71
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	3	9.71
(4,59)	1:98:A:PRO:HA	1:94:A:ARG:HA	10	9.7
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	15	9.69
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	11	9.69
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	6	9.68
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	6	9.68
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	6	9.68
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	12	9.68
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	10	9.68
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	10	9.68
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	10	9.68
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	7	9.67
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	14	9.67
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	18	9.67
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	13	9.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	3	9.65
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	3	9.65
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	3	9.65
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	15	9.64
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	15	9.64
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	15	9.64
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	17	9.64
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	1	9.63
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	1	9.63
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	1	9.63
(4,9)	1:38:A:GLN:HA	1:57:A:TYR:H	15	9.63
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	20	9.62
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	20	9.62
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	20	9.62
(4,134)	1:81:A:THR:HG21	1:96:A:LEU:HB3	15	9.61
(4,134)	1:81:A:THR:HG22	1:96:A:LEU:HB3	15	9.61
(4,134)	1:81:A:THR:HG23	1:96:A:LEU:HB3	15	9.61
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	11	9.6
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	3	9.58
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	3	9.58
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	3	9.58
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	11	9.58
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	11	9.58
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	11	9.58
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	4	9.56
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	4	9.56
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	4	9.56
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	8	9.56
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	7	9.55
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	1	9.55
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	1	9.55
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	1	9.55
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	19	9.53
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	7	9.53
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	16	9.52
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	16	9.52
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	16	9.52
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	16	9.52
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	16	9.52
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	16	9.52
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	9	9.52
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	9	9.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	9	9.52
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	9	9.51
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	9	9.51
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	9	9.51
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	13	9.51
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	16	9.51
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	16	9.48
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	6	9.48
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	11	9.48
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	11	9.48
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	11	9.48
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	9	9.47
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	9	9.47
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	9	9.47
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	6	9.46
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	6	9.46
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	6	9.46
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	6	9.46
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	6	9.46
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	6	9.46
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	14	9.46
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	16	9.46
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	16	9.46
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	16	9.46
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	9	9.44
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	9	9.44
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	9	9.44
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	14	9.44
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	14	9.44
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	14	9.44
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	9	9.43
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	4	9.42
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	4	9.42
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	4	9.42
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	2	9.42
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	11	9.42
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	6	9.41
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	6	9.41
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	6	9.41
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	5	9.41
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	19	9.39
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	12	9.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	12	9.38
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	12	9.38
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	17	9.38
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	9	9.37
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	2	9.36
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	8	9.36
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	18	9.36
(4,119)	1:45:A:LYS:HD2	1:34:A:MET:HG3	19	9.35
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	7	9.34
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	20	9.33
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	7	9.32
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	7	9.32
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	7	9.32
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	10	9.32
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	17	9.32
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	18	9.31
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	13	9.26
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	13	9.26
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	13	9.26
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	13	9.26
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	13	9.26
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	13	9.26
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	4	9.26
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	4	9.26
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	4	9.26
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	3	9.25
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	3	9.25
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	3	9.25
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	3	9.25
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	3	9.25
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	3	9.25
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	7	9.24
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	7	9.24
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	7	9.24
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	5	9.24
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	5	9.24
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	5	9.24
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	13	9.24
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	15	9.23
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	17	9.22
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	2	9.22
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	12	9.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	12	9.21
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	12	9.21
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	10	9.19
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	14	9.18
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	8	9.17
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	5	9.17
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	16	9.15
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	16	9.15
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	16	9.15
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	13	9.15
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	13	9.15
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	13	9.15
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	3	9.13
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	3	9.13
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	3	9.13
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	12	9.13
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	13	9.12
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	13	9.12
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	13	9.12
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	6	9.12
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	4	9.12
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	15	9.1
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	15	9.1
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	15	9.1
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	7	9.1
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	7	9.1
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	7	9.1
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	4	9.09
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	10	9.08
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	11	9.07
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	11	9.07
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	11	9.07
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	11	9.07
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	11	9.07
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	11	9.07
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	8	9.07
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	8	9.06
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	8	9.06
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	8	9.06
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	16	9.06
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	6	9.05
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	6	9.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	6	9.05
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	12	9.05
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	12	9.05
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	12	9.05
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	20	9.05
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	19	9.04
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	19	9.04
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	19	9.04
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	5	9.03
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	5	9.03
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	5	9.03
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	15	9.03
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	19	9.03
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	18	9.02
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	18	9.02
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	18	9.02
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	14	9.02
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	16	9.01
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	16	9.01
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	16	9.01
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	4	8.99
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	9	8.99
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	5	8.98
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	11	8.97
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	7	8.96
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	7	8.96
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	7	8.96
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	9	8.95
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	20	8.95
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	20	8.95
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	20	8.95
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	8	8.95
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	8	8.95
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	10	8.95
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	7	8.94
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	7	8.94
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	7	8.94
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	9	8.93
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	9	8.93
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	9	8.93
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	20	8.93
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	20	8.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	20	8.93
(4,72)	1:126:A:LYS:HG3	1:91:A:SER:HA	3	8.93
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	2	8.92
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	2	8.92
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	2	8.92
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	13	8.9
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	13	8.9
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	13	8.9
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	4	8.9
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	4	8.9
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	4	8.9
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	2	8.89
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	2	8.89
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	2	8.89
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	15	8.89
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	12	8.89
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	11	8.89
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	15	8.88
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	15	8.88
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	15	8.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	15	8.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	15	8.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	15	8.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	15	8.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	15	8.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	15	8.88
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	15	8.88
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	15	8.88
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	15	8.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	15	8.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	15	8.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	15	8.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	15	8.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	15	8.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	15	8.88
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	13	8.88
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	7	8.86
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	12	8.85
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	8	8.85
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	8	8.85
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	8	8.85
(4,73)	1:143:A:ALA:HB1	1:91:A:SER:HA	18	8.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,73)	1:143:A:ALA:HB2	1:91:A:SER:HA	18	8.84
(4,73)	1:143:A:ALA:HB3	1:91:A:SER:HA	18	8.84
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	15	8.83
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	18	8.83
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	12	8.82
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	20	8.81
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	20	8.81
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	20	8.81
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	13	8.81
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	13	8.81
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	13	8.81
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	2	8.81
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	11	8.81
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	3	8.81
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	5	8.8
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	5	8.8
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	5	8.8
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	8	8.8
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	8	8.8
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	8	8.8
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	3	8.8
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	10	8.8
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	10	8.8
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	10	8.8
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	1	8.8
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	7	8.8
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	19	8.79
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	19	8.79
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	19	8.79
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	17	8.79
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	20	8.78
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	15	8.75
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	15	8.75
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	15	8.75
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	20	8.75
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	18	8.75
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	5	8.74
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	5	8.74
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	5	8.74
(4,91)	1:144:A:GLY:HA2	1:149:A:VAL:HB	13	8.74
(4,7)	1:104:A:ARG:HG2	1:113:A:VAL:H	6	8.73
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	20	8.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	4	8.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	4	8.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	4	8.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	4	8.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	4	8.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	4	8.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	4	8.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	4	8.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	4	8.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	4	8.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	4	8.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	4	8.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	4	8.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	4	8.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	4	8.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	4	8.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	4	8.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	4	8.71
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	7	8.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	20	8.7
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	20	8.7
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	20	8.7
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	20	8.7
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	20	8.7
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	20	8.7
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	20	8.7
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	20	8.7
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	20	8.7
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	20	8.7
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	20	8.7
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	20	8.7
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	20	8.7
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	20	8.7
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	20	8.7
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	20	8.7
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	20	8.7
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	20	8.7
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	12	8.7
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	9	8.7
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	9	8.7
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	9	8.7
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	15	8.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	15	8.69
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	15	8.69
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	19	8.66
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	12	8.65
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	12	8.65
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	12	8.65
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	2	8.65
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	13	8.65
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	4	8.64
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	4	8.64
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	4	8.64
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	4	8.64
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	4	8.64
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	4	8.64
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	13	8.64
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	13	8.64
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	13	8.64
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	13	8.64
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	1	8.64
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	3	8.64
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	3	8.64
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	3	8.64
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	11	8.63
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	11	8.63
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	11	8.63
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	3	8.63
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG21	17	8.62
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG22	17	8.62
(4,130)	1:68:A:ARG:HA	1:172:A:THR:HG23	17	8.62
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	10	8.62
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	10	8.62
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	10	8.62
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	4	8.62
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	4	8.62
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	1	8.61
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	1	8.61
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	1	8.61
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	9	8.61
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	12	8.59
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	12	8.59
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	12	8.59
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	12	8.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	12	8.59
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	12	8.59
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	5	8.59
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	5	8.59
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	5	8.59
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	10	8.58
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	9	8.58
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	17	8.57
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	17	8.57
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	17	8.57
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	19	8.56
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	16	8.55
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	16	8.55
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	16	8.55
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	14	8.53
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	7	8.5
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	2	8.5
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	2	8.49
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	15	8.49
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	15	8.49
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	15	8.49
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	8	8.49
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	12	8.48
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	2	8.48
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	14	8.47
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	20	8.47
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	20	8.47
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	20	8.47
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	6	8.47
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	6	8.47
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	6	8.47
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	13	8.47
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	13	8.47
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	13	8.47
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	16	8.46
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	9	8.46
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	1	8.46
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	1	8.45
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	13	8.45
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	19	8.45
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	1	8.44
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	1	8.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	1	8.44
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	12	8.44
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	20	8.44
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	2	8.44
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	2	8.44
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	2	8.44
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	5	8.44
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	5	8.44
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	5	8.44
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	19	8.44
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	19	8.44
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	19	8.44
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	18	8.43
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	18	8.43
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	2	8.42
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	19	8.41
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	4	8.41
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	14	8.4
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	19	8.39
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	18	8.39
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	18	8.39
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	18	8.39
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	10	8.38
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	6	8.37
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	5	8.37
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	7	8.36
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	12	8.36
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	12	8.36
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	12	8.36
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	4	8.36
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	18	8.36
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	6	8.36
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	6	8.36
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	6	8.36
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	2	8.35
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	2	8.35
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	2	8.35
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	14	8.34
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	3	8.33
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	3	8.33
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	16	8.33
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	16	8.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	16	8.33
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	10	8.3
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	3	8.3
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	16	8.3
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	8	8.3
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	8	8.3
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	7	8.3
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	7	8.3
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	6	8.29
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	17	8.28
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	17	8.28
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	17	8.28
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	19	8.27
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	13	8.26
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	7	8.25
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	7	8.25
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	7	8.25
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	6	8.25
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	20	8.24
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	20	8.24
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	20	8.24
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	20	8.24
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	20	8.24
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	20	8.24
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	19	8.23
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	2	8.23
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	13	8.22
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	13	8.22
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	13	8.22
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	13	8.22
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	13	8.22
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	13	8.22
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	13	8.22
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	13	8.22
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	13	8.22
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	13	8.22
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	13	8.22
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	13	8.22
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	13	8.22
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	13	8.22
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	13	8.22
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	13	8.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	13	8.22
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	13	8.22
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	2	8.22
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	20	8.22
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	20	8.22
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	20	8.22
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	2	8.22
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	2	8.22
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	2	8.22
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	3	8.2
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	15	8.2
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	6	8.19
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	6	8.19
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	6	8.19
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	6	8.19
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	6	8.19
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	12	8.18
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	14	8.18
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	14	8.18
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	14	8.18
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	3	8.18
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	3	8.18
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	3	8.18
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	1	8.17
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	1	8.17
(4,128)	1:138:A:LEU:HD11	1:103:A:ILE:HA	17	8.16
(4,128)	1:138:A:LEU:HD12	1:103:A:ILE:HA	17	8.16
(4,128)	1:138:A:LEU:HD13	1:103:A:ILE:HA	17	8.16
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	10	8.16
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	10	8.16
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	15	8.16
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	15	8.16
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	15	8.16
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	17	8.16
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	15	8.15
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	7	8.15
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	7	8.15
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	19	8.15
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	19	8.15
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	18	8.15
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	18	8.15
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	18	8.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	10	8.14
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	10	8.14
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	10	8.14
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	7	8.14
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	7	8.14
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	7	8.14
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	4	8.13
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	4	8.13
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	2	8.12
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	14	8.12
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	14	8.12
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	14	8.12
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	2	8.11
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	7	8.1
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	5	8.1
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	5	8.1
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	5	8.1
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	2	8.1
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	2	8.1
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	17	8.09
(4,80)	1:104:A:ARG:HG2	1:112:A:MET:HA	6	8.08
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	4	8.07
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	4	8.07
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	4	8.07
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	15	8.07
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	15	8.07
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	13	8.06
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	4	8.05
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	4	8.05
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	4	8.05
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	13	8.05
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	13	8.05
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	13	8.05
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	5	8.05
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	19	8.05
(4,82)	1:112:A:MET:HA	1:80:A:ARG:HG2	14	8.04
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	17	8.04
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	17	8.04
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	17	8.04
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	15	8.03
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	15	8.03
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	15	8.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	4	8.02
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	11	8.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	11	8.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	11	8.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	11	8.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	11	8.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	11	8.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	11	8.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	11	8.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	11	8.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	11	8.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	11	8.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	11	8.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	11	8.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	11	8.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	11	8.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	11	8.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	11	8.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	11	8.01
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	1	8.01
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	18	8.0
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	18	8.0
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	18	8.0
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	5	8.0
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	1	8.0
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	1	8.0
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	1	8.0
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	16	7.98
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	11	7.97
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	11	7.97
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	11	7.97
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	12	7.97
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	4	7.96
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	4	7.96
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	4	7.96
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	4	7.96
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	2	7.95
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	2	7.95
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	2	7.95
(4,92)	1:93:A:GLU:HG2	1:144:A:GLY:HA2	13	7.95
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	13	7.95
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	5	7.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	5	7.94
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	14	7.94
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	14	7.94
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	11	7.93
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	18	7.93
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	18	7.93
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	18	7.93
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	13	7.93
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	13	7.93
(4,52)	1:127:A:ALA:HB1	1:81:A:THR:HB	11	7.93
(4,52)	1:127:A:ALA:HB2	1:81:A:THR:HB	11	7.93
(4,52)	1:127:A:ALA:HB3	1:81:A:THR:HB	11	7.93
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	7	7.92
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	7	7.92
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	7	7.92
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	20	7.92
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	12	7.92
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	12	7.92
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	12	7.92
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	18	7.9
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	2	7.9
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	2	7.9
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	2	7.9
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	19	7.89
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	12	7.88
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	12	7.88
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	12	7.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	12	7.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	12	7.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	12	7.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	12	7.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	12	7.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	12	7.88
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	12	7.88
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	12	7.88
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	12	7.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	12	7.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	12	7.88
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	12	7.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	12	7.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	12	7.88
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	12	7.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	17	7.88
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	17	7.88
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	17	7.88
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	6	7.88
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	6	7.88
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	6	7.88
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	9	7.88
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	9	7.88
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	12	7.88
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	12	7.88
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	4	7.87
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	17	7.87
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	17	7.87
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	20	7.87
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	20	7.87
(4,19)	1:69:A:ILE:H	1:52:A:PRO:HD2	13	7.87
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	8	7.85
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	8	7.85
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	8	7.85
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	14	7.84
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	10	7.84
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	10	7.84
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	10	7.84
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	11	7.84
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	11	7.84
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	11	7.84
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	10	7.84
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	8	7.83
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	8	7.83
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	8	7.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	8	7.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	8	7.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	8	7.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	8	7.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	8	7.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	8	7.83
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	8	7.83
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	8	7.83
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	8	7.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	8	7.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	8	7.83
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	8	7.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	8	7.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	8	7.83
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	8	7.83
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	8	7.83
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	13	7.83
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	11	7.83
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	20	7.83
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	15	7.83
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	15	7.83
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	15	7.83
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	17	7.83
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	10	7.82
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	10	7.82
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	10	7.82
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	8	7.81
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	8	7.81
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	8	7.81
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	3	7.81
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	5	7.81
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	5	7.81
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	17	7.8
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	3	7.79
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	3	7.79
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	3	7.79
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	11	7.79
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	11	7.79
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	10	7.78
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	2	7.78
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	19	7.77
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	19	7.77
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	19	7.77
(4,54)	1:142:A:LYS:HG3	1:81:A:THR:HB	16	7.77
(4,54)	1:142:A:LYS:HG2	1:81:A:THR:HB	16	7.77
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	7	7.75
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	7	7.75
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	7	7.75
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	15	7.75
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	1	7.74
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	7	7.74
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	2	7.73
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	4	7.73
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	15	7.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	2	7.73
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	2	7.73
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	7	7.73
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	14	7.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	14	7.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	14	7.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	14	7.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	14	7.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	14	7.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	14	7.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	14	7.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	14	7.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	14	7.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	14	7.71
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	14	7.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	14	7.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	14	7.71
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	14	7.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	14	7.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	14	7.71
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	14	7.71
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	10	7.71
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	4	7.71
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	6	7.7
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	6	7.7
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	6	7.7
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	14	7.69
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	14	7.69
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	14	7.69
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	11	7.69
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	12	7.69
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	12	7.69
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	1	7.69
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	1	7.69
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	1	7.69
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	1	7.68
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	1	7.68
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	1	7.68
(4,116)	1:45:A:LYS:HD2	1:40:A:PHE:HB3	17	7.68
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	15	7.68
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	8	7.68
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	8	7.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	8	7.68
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	16	7.67
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	16	7.67
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	16	7.67
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	15	7.67
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	15	7.67
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	15	7.67
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	19	7.67
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	19	7.67
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	19	7.67
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	17	7.67
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	17	7.67
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	2	7.66
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	2	7.66
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	2	7.66
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	4	7.65
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	4	7.65
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	4	7.65
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	15	7.65
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	5	7.64
(4,75)	1:85:A:LYS:HG3	1:93:A:GLU:HA	6	7.64
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	17	7.63
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	19	7.63
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	19	7.63
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	19	7.63
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	10	7.63
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	10	7.63
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	18	7.62
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	20	7.62
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	11	7.62
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	6	7.62
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	3	7.61
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	3	7.61
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	3	7.61
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	8	7.61
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	10	7.61
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG21	1	7.6
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG22	1	7.6
(4,129)	1:68:A:ARG:HA	1:171:A:THR:HG23	1	7.6
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	9	7.59
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	9	7.59
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	9	7.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	9	7.59
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	9	7.59
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	9	7.59
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	9	7.59
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	9	7.59
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	9	7.59
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	9	7.59
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	9	7.59
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	9	7.59
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	9	7.59
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	9	7.59
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	9	7.59
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	9	7.59
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	9	7.59
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	9	7.59
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	13	7.59
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	1	7.59
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	1	7.59
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	1	7.59
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	16	7.59
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	12	7.58
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	12	7.57
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	12	7.57
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	12	7.57
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	20	7.57
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	18	7.57
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	18	7.57
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	1	7.56
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	19	7.56
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	16	7.56
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	16	7.56
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	19	7.55
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	19	7.55
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	19	7.55
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	19	7.55
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	19	7.55
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	19	7.55
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	19	7.55
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	19	7.55
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	19	7.55
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	19	7.55
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	19	7.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	19	7.55
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	19	7.55
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	19	7.55
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	19	7.55
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	19	7.55
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	19	7.55
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	19	7.55
(4,77)	1:127:A:ALA:HB1	1:93:A:GLU:HA	13	7.55
(4,77)	1:127:A:ALA:HB2	1:93:A:GLU:HA	13	7.55
(4,77)	1:127:A:ALA:HB3	1:93:A:GLU:HA	13	7.55
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	2	7.53
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	2	7.53
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	2	7.53
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	7	7.53
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	12	7.53
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	12	7.52
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	3	7.52
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	3	7.52
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	3	7.52
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	13	7.51
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	13	7.51
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	13	7.51
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	20	7.51
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	19	7.51
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	19	7.51
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	3	7.5
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	3	7.5
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	19	7.5
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	8	7.49
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	15	7.49
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	15	7.49
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	5	7.49
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	20	7.48
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	5	7.46
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	5	7.46
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	5	7.46
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	11	7.46
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	3	7.46
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	7	7.46
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	7	7.46
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	6	7.46
(4,8)	1:113:A:VAL:H	1:80:A:ARG:HG2	14	7.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	9	7.45
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	11	7.45
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	11	7.45
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	6	7.45
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	8	7.44
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	4	7.44
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	9	7.42
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	9	7.42
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	9	7.42
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	12	7.42
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	19	7.42
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	10	7.42
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	11	7.41
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	11	7.41
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	11	7.41
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	19	7.41
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	1	7.4
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	14	7.4
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	9	7.4
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	9	7.4
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	3	7.39
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	9	7.39
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	14	7.39
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	7	7.39
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	15	7.37
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	15	7.37
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	15	7.37
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	2	7.37
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	2	7.37
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	18	7.37
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	4	7.37
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	4	7.37
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	16	7.36
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	16	7.36
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	16	7.36
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	2	7.36
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	6	7.35
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	17	7.35
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	13	7.35
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	13	7.35
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	5	7.35
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	20	7.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	20	7.34
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	17	7.34
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	20	7.34
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	3	7.33
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	16	7.33
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	20	7.33
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	7	7.32
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	7	7.32
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	7	7.32
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	8	7.32
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	18	7.32
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	2	7.32
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	6	7.32
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	4	7.32
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	17	7.32
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	15	7.31
(4,69)	1:127:A:ALA:HB1	1:91:A:SER:HA	9	7.31
(4,69)	1:127:A:ALA:HB2	1:91:A:SER:HA	9	7.31
(4,69)	1:127:A:ALA:HB3	1:91:A:SER:HA	9	7.31
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	1	7.31
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	2	7.3
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	13	7.28
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	13	7.28
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	13	7.28
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	12	7.28
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	12	7.28
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	12	7.28
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	5	7.28
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	11	7.28
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	8	7.28
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	18	7.27
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	18	7.27
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	18	7.27
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	18	7.27
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	10	7.27
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	15	7.26
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	15	7.26
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	15	7.26
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	4	7.26
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	19	7.26
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	7	7.25
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	6	7.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	6	7.25
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	1	7.24
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	1	7.24
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	3	7.24
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	2	7.24
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	18	7.23
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	7	7.23
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	7	7.23
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	7	7.23
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	12	7.23
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	12	7.22
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	2	7.22
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	1	7.21
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	16	7.21
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	16	7.2
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	6	7.2
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	4	7.19
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	18	7.19
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	4	7.19
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	20	7.18
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	4	7.18
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	19	7.18
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	19	7.18
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	19	7.18
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	11	7.18
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	19	7.18
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	19	7.18
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	16	7.17
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	5	7.17
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	9	7.17
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	12	7.17
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	15	7.17
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	14	7.17
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	6	7.16
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	6	7.16
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	6	7.16
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	9	7.16
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	1	7.16
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	18	7.15
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	9	7.15
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	13	7.15
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	8	7.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	5	7.14
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	5	7.14
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	12	7.14
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	12	7.14
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	4	7.14
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	4	7.14
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	4	7.14
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	13	7.13
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	7	7.13
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	11	7.13
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	9	7.12
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	14	7.12
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	19	7.11
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	10	7.11
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	5	7.11
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	14	7.11
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	5	7.09
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	5	7.09
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	3	7.09
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	6	7.09
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	17	7.09
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	10	7.08
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	10	7.08
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	10	7.08
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	3	7.07
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	20	7.06
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	18	7.05
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	3	7.05
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	17	7.05
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	9	7.04
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	9	7.04
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	9	7.04
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	20	7.04
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	1	7.04
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	4	7.04
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	13	7.03
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG21	17	7.02
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG22	17	7.02
(4,132)	1:137:A:ILE:HG12	1:92:A:THR:HG23	17	7.02
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	12	7.02
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	12	7.02
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	12	7.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	12	7.02
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	9	7.02
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	4	7.01
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	4	7.01
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	4	7.01
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	12	7.01
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	12	7.01
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	12	7.01
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	4	7.01
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	10	7.01
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	19	7.0
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	20	6.99
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	20	6.99
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	20	6.99
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	6	6.99
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	10	6.99
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	1	6.99
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	16	6.99
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	3	6.98
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	11	6.98
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	19	6.97
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	19	6.97
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	19	6.97
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	20	6.97
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	20	6.97
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	20	6.97
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	8	6.97
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	8	6.97
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	8	6.97
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	3	6.97
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	3	6.97
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	16	6.96
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	16	6.96
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	16	6.96
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	5	6.96
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	15	6.96
(4,108)	1:55:A:PRO:HB2	1:33:A:PRO:HG2	9	6.95
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	13	6.95
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	8	6.94
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	8	6.94
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	8	6.94
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	13	6.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	13	6.94
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	16	6.94
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	8	6.94
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	18	6.94
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	17	6.94
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	18	6.93
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	18	6.93
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	18	6.93
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	4	6.93
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	10	6.92
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	16	6.91
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	16	6.91
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	16	6.91
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	12	6.91
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	17	6.91
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	14	6.9
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	14	6.9
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	14	6.9
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	17	6.9
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	13	6.9
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	3	6.9
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	3	6.9
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	19	6.89
(4,13)	1:39:A:ARG:HB2	1:57:A:TYR:H	20	6.89
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	9	6.88
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	20	6.88
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	15	6.87
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	14	6.86
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	14	6.86
(4,111)	1:39:A:ARG:HB2	1:47:A:PRO:HG3	3	6.84
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	18	6.84
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	4	6.83
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	4	6.83
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	4	6.83
(4,138)	1:168:A:MET:HE1	1:72:A:ARG:HB3	8	6.82
(4,138)	1:168:A:MET:HE2	1:72:A:ARG:HB3	8	6.82
(4,138)	1:168:A:MET:HE3	1:72:A:ARG:HB3	8	6.82
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	11	6.81
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	11	6.81
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	11	6.81
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	12	6.81
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	13	6.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	8	6.81
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	12	6.81
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	1	6.8
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	1	6.8
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	1	6.8
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	14	6.8
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	14	6.8
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	14	6.8
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	13	6.79
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	13	6.79
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	13	6.79
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	5	6.79
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	7	6.79
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	9	6.78
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	9	6.78
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	11	6.77
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	11	6.77
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	11	6.77
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	18	6.77
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	18	6.76
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	18	6.76
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	18	6.76
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	14	6.76
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	14	6.76
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	14	6.76
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	15	6.76
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	12	6.76
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	12	6.76
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	12	6.76
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	20	6.76
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	1	6.76
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	1	6.76
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	16	6.75
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	15	6.75
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	16	6.75
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	16	6.75
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	16	6.75
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	16	6.75
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	16	6.75
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	16	6.75
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	16	6.75
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	16	6.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	16	6.75
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	18	6.74
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	18	6.74
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	18	6.74
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	20	6.73
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	20	6.73
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	20	6.73
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	6	6.73
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	2	6.73
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	18	6.73
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	14	6.71
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	18	6.7
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	18	6.7
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	18	6.7
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	8	6.7
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	8	6.7
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	8	6.7
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	12	6.7
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	12	6.7
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	12	6.7
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	12	6.7
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	7	6.69
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	7	6.67
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	7	6.67
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	7	6.67
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	5	6.67
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	11	6.67
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	11	6.67
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	11	6.67
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	3	6.66
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	3	6.66
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	3	6.66
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	20	6.66
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	20	6.65
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	15	6.64
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	11	6.63
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	11	6.63
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	11	6.63
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	16	6.63
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	16	6.63
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	16	6.63
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	16	6.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	10	6.63
(4,14)	1:57:A:TYR:H	1:53:A:LEU:HB2	15	6.63
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	17	6.61
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	17	6.61
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	17	6.61
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	15	6.6
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	7	6.6
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	7	6.59
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	7	6.59
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	7	6.59
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	7	6.59
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	7	6.59
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	7	6.59
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	19	6.59
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	13	6.59
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	13	6.59
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	13	6.59
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	2	6.58
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	9	6.58
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	9	6.58
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	9	6.58
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	9	6.58
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	2	6.57
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	2	6.57
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	2	6.57
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	12	6.57
(4,60)	1:83:A:GLU:HA	1:98:A:PRO:HA	10	6.57
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	5	6.57
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	8	6.56
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	11	6.56
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	14	6.56
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	10	6.55
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	14	6.55
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	14	6.55
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	14	6.55
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	13	6.55
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	13	6.55
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	5	6.54
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	5	6.54
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	5	6.54
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	7	6.54
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	3	6.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	4	6.53
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	4	6.53
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	4	6.53
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	6	6.53
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	15	6.52
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	15	6.52
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	15	6.52
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	15	6.52
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	15	6.52
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	15	6.52
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	3	6.52
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	3	6.52
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	3	6.52
(4,109)	1:55:A:PRO:HB2	1:52:A:PRO:HB3	14	6.52
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	10	6.51
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	10	6.51
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	10	6.51
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	10	6.51
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	10	6.51
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	10	6.51
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	9	6.51
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	16	6.51
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	14	6.5
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	14	6.5
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	14	6.5
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	16	6.5
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	7	6.5
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	7	6.5
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	7	6.5
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	2	6.5
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	9	6.49
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	9	6.49
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	9	6.49
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	17	6.49
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	18	6.49
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	11	6.48
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	16	6.48
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	16	6.48
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	16	6.48
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	6	6.47
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	6	6.47
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	6	6.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	10	6.47
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	10	6.47
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	10	6.47
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	8	6.47
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	20	6.47
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	20	6.47
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	20	6.47
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	11	6.46
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	5	6.45
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	5	6.45
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	5	6.45
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	11	6.45
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	15	6.45
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	15	6.45
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	15	6.45
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	1	6.44
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	19	6.44
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	11	6.44
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	17	6.43
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	19	6.43
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	13	6.42
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	13	6.42
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	13	6.42
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	16	6.41
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	16	6.41
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	16	6.41
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	1	6.4
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	1	6.4
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	1	6.4
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	6	6.38
(4,79)	1:124:A:GLU:HG3	1:139:A:GLU:HA	11	6.38
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	9	6.38
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	9	6.38
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	9	6.38
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	14	6.38
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	19	6.37
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	19	6.37
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	19	6.37
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	14	6.37
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	14	6.37
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	5	6.37
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	2	6.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	20	6.36
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	6	6.35
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	6	6.35
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	6	6.35
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	15	6.35
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	15	6.35
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	15	6.35
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG21	17	6.34
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG22	17	6.34
(4,131)	1:95:A:LEU:HB3	1:92:A:THR:HG23	17	6.34
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	20	6.34
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	5	6.33
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	5	6.33
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	5	6.33
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	5	6.33
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	5	6.33
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	5	6.33
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	5	6.33
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	5	6.33
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	5	6.33
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	5	6.33
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	5	6.33
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	5	6.33
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	5	6.33
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	5	6.33
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	5	6.33
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	5	6.33
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	5	6.33
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	5	6.33
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	11	6.33
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	16	6.33
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	16	6.33
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	16	6.33
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	15	6.32
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	2	6.31
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	2	6.31
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	2	6.31
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	9	6.31
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	13	6.3
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	13	6.3
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	13	6.3
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	17	6.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	7	6.28
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	19	6.28
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	19	6.28
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	19	6.28
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	19	6.28
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	13	6.27
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	5	6.27
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	20	6.26
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	20	6.26
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	14	6.26
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	14	6.26
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	14	6.26
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	8	6.24
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	16	6.24
(4,112)	1:129:A:ALA:HB1	1:98:A:PRO:HB3	15	6.24
(4,112)	1:129:A:ALA:HB2	1:98:A:PRO:HB3	15	6.24
(4,112)	1:129:A:ALA:HB3	1:98:A:PRO:HB3	15	6.24
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	16	6.24
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	16	6.24
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	16	6.24
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	7	6.24
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	17	6.24
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	17	6.24
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	17	6.24
(4,88)	1:17:A:ALA:HA	1:98:A:PRO:HB3	1	6.23
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	11	6.23
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	17	6.23
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	17	6.23
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	17	6.23
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	10	6.22
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	2	6.22
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	3	6.22
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	3	6.22
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	3	6.22
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	13	6.21
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	1	6.21
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	16	6.21
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	17	6.2
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	6	6.2
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	10	6.2
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	10	6.2
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	10	6.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	9	6.2
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	11	6.19
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	11	6.19
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	11	6.19
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	5	6.18
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	10	6.18
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	9	6.18
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	9	6.18
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	9	6.18
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	16	6.18
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	16	6.18
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	16	6.18
(4,36)	1:38:A:GLN:HA	1:54:A:ILE:H	3	6.17
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	19	6.16
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	12	6.16
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	12	6.16
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	12	6.16
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	20	6.15
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	20	6.15
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	20	6.15
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	4	6.14
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	6	6.13
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	7	6.13
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	7	6.13
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	7	6.13
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	12	6.12
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	2	6.12
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	2	6.12
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	2	6.12
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	6	6.11
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	19	6.11
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	8	6.11
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	8	6.11
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	8	6.11
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	16	6.11
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	19	6.1
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	19	6.1
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	19	6.1
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	3	6.1
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	14	6.1
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	14	6.1
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	14	6.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	3	6.09
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	3	6.09
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	3	6.09
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	5	6.09
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	5	6.09
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	5	6.09
(4,53)	1:143:A:ALA:HB1	1:81:A:THR:HB	20	6.09
(4,53)	1:143:A:ALA:HB2	1:81:A:THR:HB	20	6.09
(4,53)	1:143:A:ALA:HB3	1:81:A:THR:HB	20	6.09
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	1	6.08
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	12	6.08
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	17	6.07
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	17	6.07
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	10	6.06
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	10	6.06
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	8	6.06
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	11	6.05
(4,63)	1:67:A:VAL:HA	1:161:A:LEU:HB2	10	6.03
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	10	6.02
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	10	6.02
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	10	6.02
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	5	6.01
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	11	6.01
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	11	6.01
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	11	6.01
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	6	6.01
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	16	6.0
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	16	6.0
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	18	5.99
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	18	5.99
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	18	5.99
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	10	5.99
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	9	5.98
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	9	5.98
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	9	5.98
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	14	5.98
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	14	5.98
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	14	5.98
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	19	5.98
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	19	5.98
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	19	5.98
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	2	5.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	2	5.96
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	2	5.96
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	2	5.96
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	2	5.96
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	2	5.96
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	2	5.96
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	2	5.96
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	2	5.96
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	2	5.96
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	2	5.96
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	2	5.96
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	2	5.96
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	2	5.96
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	2	5.96
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	2	5.96
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	2	5.96
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	2	5.96
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	7	5.96
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	8	5.95
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	8	5.95
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	8	5.95
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	6	5.95
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	7	5.95
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	5	5.94
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	5	5.94
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	5	5.94
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	10	5.93
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	13	5.93
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	12	5.92
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	12	5.92
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	12	5.92
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	8	5.92
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	5	5.91
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	5	5.91
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	5	5.91
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	16	5.9
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	16	5.9
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	16	5.9
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	18	5.9
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	18	5.9
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	14	5.9
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	1	5.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	1	5.89
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	1	5.89
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	4	5.89
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	18	5.88
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	4	5.86
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	12	5.84
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	18	5.84
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	6	5.84
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	6	5.84
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	6	5.84
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	12	5.83
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	20	5.82
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	11	5.82
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	11	5.82
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	14	5.81
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	13	5.81
(4,20)	1:69:A:ILE:H	1:133:A:GLY:HA2	9	5.81
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	6	5.81
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	1	5.8
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	16	5.79
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	19	5.78
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	10	5.77
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	10	5.77
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	10	5.77
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	17	5.76
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	17	5.75
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	17	5.75
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	17	5.75
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	17	5.75
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	17	5.75
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	17	5.75
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	9	5.75
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	9	5.75
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	9	5.75
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	16	5.74
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	5	5.74
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	3	5.72
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	3	5.72
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	3	5.72
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	10	5.72
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	20	5.72
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	18	5.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	18	5.72
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	18	5.72
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	1	5.72
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	1	5.72
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	1	5.72
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	3	5.71
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	2	5.7
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	20	5.7
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	6	5.69
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	6	5.69
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	16	5.69
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	16	5.69
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	16	5.69
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	1	5.67
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	1	5.67
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	1	5.67
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	20	5.67
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	20	5.67
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	20	5.67
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	18	5.66
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	18	5.66
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	18	5.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	18	5.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	18	5.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	18	5.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	18	5.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	18	5.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	18	5.66
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	18	5.66
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	18	5.66
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	18	5.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	18	5.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	18	5.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	18	5.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	18	5.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	18	5.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	18	5.66
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	4	5.66
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	4	5.66
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	4	5.66
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	11	5.66
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	9	5.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	15	5.64
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	19	5.63
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	19	5.63
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	19	5.63
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	1	5.62
(4,98)	1:85:A:LYS:HE3	1:149:A:VAL:HB	6	5.62
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	18	5.62
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	18	5.62
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	18	5.62
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	18	5.62
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	5	5.61
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	5	5.61
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	5	5.61
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	10	5.6
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	7	5.6
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	19	5.59
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	19	5.59
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	19	5.59
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	7	5.58
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	6	5.57
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	6	5.57
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	6	5.57
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	20	5.57
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	20	5.57
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	20	5.57
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	3	5.57
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	9	5.57
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	8	5.57
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	8	5.57
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	8	5.57
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	3	5.57
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	3	5.57
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	3	5.57
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	9	5.57
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	11	5.56
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	2	5.55
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	2	5.55
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	2	5.55
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	1	5.55
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	12	5.55
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	4	5.54
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	3	5.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	3	5.53
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	3	5.53
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	3	5.53
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	3	5.53
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	3	5.53
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	3	5.53
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	3	5.53
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	3	5.53
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	3	5.53
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	3	5.53
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	3	5.53
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	3	5.53
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	3	5.53
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	3	5.53
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	3	5.53
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	3	5.53
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	3	5.53
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	2	5.52
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	20	5.51
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	20	5.51
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	20	5.51
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	20	5.51
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	20	5.51
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	20	5.51
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	7	5.51
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	7	5.51
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	7	5.51
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	9	5.51
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	3	5.51
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	6	5.5
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	6	5.5
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	6	5.5
(4,65)	1:27:A:ILE:HB	1:23:A:THR:HA	13	5.5
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	19	5.5
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	9	5.48
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	8	5.47
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	8	5.47
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	8	5.47
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	16	5.47
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	19	5.47
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	14	5.47
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	2	5.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	2	5.46
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	2	5.46
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	2	5.46
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	2	5.46
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	2	5.46
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	14	5.46
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	14	5.46
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	14	5.46
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	2	5.46
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	2	5.46
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	2	5.46
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	20	5.46
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	17	5.45
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	17	5.45
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	17	5.45
(4,81)	1:137:A:ILE:HG13	1:112:A:MET:HA	4	5.45
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	8	5.45
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	13	5.45
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	16	5.45
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	16	5.45
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	16	5.45
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	19	5.44
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	19	5.44
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	19	5.44
(4,11)	1:38:A:GLN:HG2	1:57:A:TYR:H	15	5.44
(4,11)	1:38:A:GLN:HG3	1:57:A:TYR:H	15	5.44
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	17	5.43
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	3	5.42
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	3	5.42
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	3	5.42
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	18	5.42
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	18	5.42
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	18	5.42
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	14	5.42
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	14	5.42
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	14	5.42
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	14	5.42
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	14	5.42
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	2	5.42
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	15	5.42
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	15	5.42
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	15	5.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	11	5.41
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	11	5.41
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	11	5.41
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	7	5.41
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	7	5.41
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	7	5.41
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	12	5.4
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	12	5.4
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	12	5.4
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	19	5.4
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	19	5.4
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	19	5.4
(4,97)	1:69:A:ILE:HG21	1:77:A:LEU:HB3	6	5.4
(4,97)	1:69:A:ILE:HG22	1:77:A:LEU:HB3	6	5.4
(4,97)	1:69:A:ILE:HG23	1:77:A:LEU:HB3	6	5.4
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	18	5.4
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	17	5.4
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	15	5.39
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	2	5.39
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	12	5.39
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	16	5.38
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	16	5.38
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	16	5.38
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	20	5.38
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	20	5.38
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	20	5.38
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	20	5.38
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	6	5.37
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	11	5.37
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	14	5.37
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	15	5.36
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	15	5.36
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	15	5.36
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	5	5.36
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	5	5.36
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	5	5.36
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	5	5.36
(4,31)	1:51:A:MET:H	1:33:A:PRO:HG2	3	5.36
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	15	5.36
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE3	1	5.35
(4,99)	1:93:A:GLU:HG2	1:85:A:LYS:HE2	1	5.35
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	6	5.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	6	5.35
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	6	5.35
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	15	5.35
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	1	5.34
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	1	5.34
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	1	5.34
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	1	5.34
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	4	5.33
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	4	5.33
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	4	5.33
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	3	5.33
(4,136)	1:49:A:MET:HE1	1:52:A:PRO:HG2	17	5.32
(4,136)	1:49:A:MET:HE2	1:52:A:PRO:HG2	17	5.32
(4,136)	1:49:A:MET:HE3	1:52:A:PRO:HG2	17	5.32
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	9	5.31
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	9	5.31
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	9	5.31
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	14	5.31
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	4	5.3
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	4	5.3
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	4	5.3
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	5	5.3
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	5	5.3
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	5	5.3
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	6	5.3
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	1	5.29
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	1	5.29
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	1	5.29
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	13	5.29
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	13	5.29
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	13	5.29
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	16	5.28
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	4	5.26
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	11	5.25
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	11	5.25
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	11	5.25
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	19	5.25
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	7	5.25
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	7	5.25
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	7	5.25
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	10	5.24
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	10	5.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	10	5.24
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	3	5.23
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	3	5.23
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	3	5.23
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	18	5.23
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	18	5.23
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	18	5.23
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	17	5.23
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	6	5.23
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	15	5.22
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	18	5.21
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	19	5.21
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	19	5.21
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	19	5.21
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	6	5.2
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	6	5.2
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	6	5.2
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	4	5.2
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	4	5.2
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	4	5.2
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	2	5.2
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	7	5.2
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	8	5.19
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	8	5.19
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	8	5.19
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	8	5.19
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	8	5.19
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	8	5.19
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	16	5.19
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	16	5.19
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	16	5.19
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	17	5.17
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	17	5.17
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	17	5.17
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	3	5.16
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	3	5.16
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	3	5.16
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	2	5.16
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	11	5.15
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	11	5.15
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	11	5.15
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	10	5.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	10	5.15
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	10	5.15
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	2	5.15
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	2	5.15
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	2	5.15
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	13	5.15
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	2	5.14
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	2	5.14
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	2	5.14
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	10	5.14
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	18	5.13
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	16	5.13
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	14	5.11
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	14	5.11
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	14	5.11
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	15	5.11
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	20	5.11
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	19	5.11
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	5	5.11
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	4	5.11
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	17	5.11
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	17	5.11
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	17	5.11
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	19	5.1
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	19	5.1
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	19	5.1
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	8	5.1
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	8	5.1
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	8	5.1
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	20	5.1
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	20	5.1
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	20	5.1
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	4	5.1
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	7	5.1
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	12	5.09
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	3	5.09
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	6	5.09
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	15	5.07
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	15	5.07
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	15	5.07
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	19	5.07
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	5	5.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	2	5.07
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	20	5.07
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	5	5.07
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	11	5.06
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	11	5.06
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	11	5.06
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	2	5.06
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	13	5.05
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	13	5.05
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	13	5.05
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	16	5.05
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	16	5.05
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	16	5.05
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	16	5.05
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	16	5.05
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	16	5.05
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	16	5.05
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	16	5.05
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	16	5.05
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	14	5.04
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	14	5.04
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	14	5.04
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	12	5.04
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	12	5.04
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	12	5.04
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	10	5.03
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	10	5.03
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	10	5.03
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	15	5.03
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	10	5.03
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	11	5.02
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	11	5.02
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	11	5.02
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	5	5.02
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	5	5.02
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	5	5.02
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	12	5.02
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	12	5.02
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	12	5.02
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	13	5.02
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	13	5.02
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	13	5.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	3	5.02
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	6	5.01
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	6	5.01
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	6	5.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	10	5.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	10	5.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	10	5.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	10	5.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	10	5.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	10	5.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	10	5.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	10	5.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	10	5.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	10	5.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	10	5.01
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	10	5.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	10	5.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	10	5.01
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	10	5.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	10	5.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	10	5.01
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	10	5.01
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	7	5.01
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	7	5.01
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	7	5.01
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	11	5.01
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	11	5.01
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	11	5.01
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	20	5.01
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	20	5.01
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	20	5.01
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	18	5.01
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	6	5.01
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	6	5.01
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	8	5.01
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	15	5.01
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	14	5.0
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG11	8	5.0
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG12	8	5.0
(4,95)	1:120:A:PHE:HB2	1:35:A:VAL:HG13	8	5.0
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG11	8	5.0
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG12	8	5.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,95)	1:120:A:PHE:HB3	1:35:A:VAL:HG13	8	5.0
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	1	5.0
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	12	5.0
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	3	5.0
(4,12)	1:57:A:TYR:H	1:33:A:PRO:HB2	19	5.0
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	20	5.0
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	20	5.0
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	20	5.0
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	1	5.0
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	5	5.0
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	9	4.99
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	9	4.99
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	9	4.99
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	18	4.99
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	17	4.99
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	11	4.98
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	11	4.98
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	11	4.98
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	15	4.98
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	15	4.98
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	15	4.98
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	2	4.98
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	2	4.98
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	2	4.98
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	10	4.97
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	10	4.97
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	10	4.97
(4,113)	1:127:A:ALA:HB1	1:98:A:PRO:HB3	17	4.97
(4,113)	1:127:A:ALA:HB2	1:98:A:PRO:HB3	17	4.97
(4,113)	1:127:A:ALA:HB3	1:98:A:PRO:HB3	17	4.97
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	7	4.97
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	9	4.97
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	19	4.97
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	19	4.97
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	19	4.97
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	18	4.96
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	18	4.96
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	18	4.96
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	1	4.96
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	1	4.96
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	1	4.96
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	20	4.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	16	4.95
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	16	4.95
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	16	4.95
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	9	4.95
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	9	4.95
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	9	4.95
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	9	4.95
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	9	4.95
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	9	4.95
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	9	4.95
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	9	4.95
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	9	4.95
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	1	4.95
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	16	4.95
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	9	4.94
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	17	4.93
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	17	4.93
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	17	4.93
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	16	4.93
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE1	15	4.92
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE2	15	4.92
(4,139)	1:68:A:ARG:HB3	1:168:A:MET:HE3	15	4.92
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	15	4.92
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	15	4.92
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	15	4.92
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	13	4.91
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	13	4.91
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	13	4.91
(4,34)	1:85:A:LYS:HA	1:146:A:GLN:H	18	4.91
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	13	4.91
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	8	4.91
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	8	4.91
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	8	4.91
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	17	4.9
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	3	4.9
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	4	4.89
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	5	4.89
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	18	4.88
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	18	4.88
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	18	4.88
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	18	4.88
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	18	4.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	18	4.88
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	2	4.88
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	2	4.88
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	2	4.88
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	7	4.88
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	7	4.88
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	7	4.88
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	17	4.88
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	17	4.88
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	17	4.88
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	1	4.88
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	2	4.88
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	12	4.88
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	8	4.88
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	12	4.88
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	10	4.88
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	10	4.88
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	10	4.88
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	10	4.88
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	10	4.88
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	10	4.88
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	10	4.88
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	10	4.88
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	10	4.88
(4,126)	1:138:A:LEU:HD11	1:140:A:GLY:HA2	1	4.87
(4,126)	1:138:A:LEU:HD12	1:140:A:GLY:HA2	1	4.87
(4,126)	1:138:A:LEU:HD13	1:140:A:GLY:HA2	1	4.87
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	11	4.87
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	11	4.87
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	11	4.87
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	11	4.87
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	15	4.85
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	15	4.85
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	15	4.85
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	9	4.85
(4,100)	1:85:A:LYS:HE2	1:149:A:VAL:HB	6	4.85
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	3	4.85
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	3	4.85
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	3	4.85
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	3	4.85
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	3	4.85
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	3	4.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	8	4.85
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	17	4.84
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	17	4.84
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	17	4.84
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	5	4.84
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	5	4.84
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	5	4.84
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	20	4.84
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	20	4.84
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	20	4.84
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	6	4.84
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	6	4.84
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	6	4.84
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	11	4.84
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	7	4.84
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	14	4.83
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	5	4.83
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	10	4.83
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	14	4.83
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	20	4.83
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	20	4.83
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	20	4.83
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	4	4.83
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	4	4.83
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	4	4.83
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	19	4.82
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	19	4.82
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	19	4.82
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	15	4.82
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	19	4.82
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	19	4.82
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	19	4.82
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	9	4.82
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	1	4.81
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	1	4.81
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	1	4.81
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	12	4.81
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	18	4.81
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	16	4.81
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	16	4.81
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	16	4.81
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	20	4.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	20	4.81
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	20	4.81
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	15	4.81
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	15	4.81
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	15	4.81
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	7	4.8
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	7	4.8
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	7	4.8
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	10	4.79
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	10	4.79
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	10	4.79
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	20	4.79
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	5	4.79
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	5	4.79
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	5	4.79
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	16	4.79
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	16	4.79
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	16	4.79
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	18	4.79
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	20	4.79
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	9	4.79
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	14	4.79
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	5	4.79
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	4	4.78
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	4	4.78
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	4	4.78
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	13	4.78
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	13	4.78
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	13	4.78
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	8	4.78
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	20	4.78
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	19	4.77
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	7	4.77
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	19	4.77
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	9	4.76
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	9	4.76
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	9	4.76
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	20	4.76
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	20	4.76
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	20	4.76
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	20	4.76
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	20	4.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	20	4.76
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	20	4.76
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	20	4.76
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	20	4.76
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	14	4.75
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	14	4.75
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	14	4.75
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	12	4.75
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	12	4.75
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	12	4.75
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	4	4.75
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	16	4.75
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	11	4.74
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	11	4.74
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	11	4.74
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	16	4.74
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	16	4.74
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	16	4.74
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	18	4.74
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	18	4.74
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	18	4.74
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	10	4.74
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	16	4.73
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	11	4.73
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	11	4.73
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	11	4.73
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	2	4.73
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	17	4.72
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	17	4.72
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	17	4.72
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	13	4.72
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	6	4.72
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	18	4.72
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	19	4.71
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	19	4.71
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	19	4.71
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	4	4.71
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	14	4.71
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	1	4.7
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	9	4.7
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	18	4.7
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	18	4.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	18	4.7
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	1	4.69
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	1	4.69
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	1	4.69
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	7	4.69
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	5	4.69
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	9	4.68
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	9	4.68
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	9	4.68
(4,86)	1:65:A:ALA:HA	1:167:A:ARG:HD3	11	4.68
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	18	4.68
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	1	4.68
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	17	4.68
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	14	4.68
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	17	4.67
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	17	4.67
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	17	4.67
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	20	4.67
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	20	4.67
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	20	4.67
(4,29)	1:51:A:MET:H	1:47:A:PRO:HB2	13	4.67
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	5	4.67
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	20	4.67
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	2	4.66
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	2	4.66
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	2	4.66
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	2	4.66
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	2	4.66
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	2	4.66
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	2	4.66
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	2	4.66
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	13	4.66
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	6	4.66
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	6	4.66
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	6	4.66
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	5	4.65
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	3	4.65
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	1	4.65
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	16	4.65
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	15	4.64
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	15	4.64
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	15	4.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	10	4.64
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	14	4.64
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	5	4.63
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	5	4.63
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	5	4.63
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	1	4.63
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	19	4.63
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	19	4.63
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	19	4.63
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	19	4.63
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	19	4.63
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	19	4.63
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	6	4.63
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	18	4.63
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	11	4.63
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	4	4.63
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	4	4.63
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	4	4.63
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	11	4.63
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	16	4.62
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	16	4.62
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	16	4.62
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	3	4.62
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	20	4.62
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	14	4.61
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	8	4.6
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	15	4.6
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	20	4.6
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	10	4.6
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	15	4.6
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	7	4.6
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	7	4.6
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	7	4.6
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	5	4.6
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	7	4.59
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	9	4.59
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	9	4.59
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	9	4.59
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	15	4.59
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	8	4.58
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	8	4.58
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	8	4.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	15	4.58
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	9	4.58
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	19	4.58
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	11	4.57
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	6	4.57
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	6	4.57
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	6	4.57
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	10	4.57
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	10	4.57
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	10	4.57
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	7	4.57
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	14	4.57
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	16	4.57
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	8	4.57
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	6	4.56
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	14	4.56
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	4	4.56
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	4	4.56
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	4	4.56
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	4	4.56
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	4	4.56
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	4	4.56
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	4	4.56
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	4	4.56
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	4	4.56
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	12	4.56
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	13	4.55
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	13	4.55
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	13	4.55
(4,125)	1:126:A:LYS:HG3	1:94:A:ARG:HD3	5	4.55
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	1	4.55
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	1	4.55
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	1	4.55
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	3	4.55
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	3	4.55
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	3	4.55
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	9	4.55
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	11	4.55
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	18	4.55
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	18	4.55
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	18	4.55
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	18	4.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	18	4.55
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	18	4.55
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	18	4.55
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	18	4.55
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	18	4.55
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	10	4.54
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	10	4.54
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	10	4.54
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	17	4.54
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	19	4.54
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	3	4.54
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	3	4.54
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	3	4.54
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	15	4.54
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	15	4.54
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	15	4.54
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	3	4.54
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	15	4.54
(4,6)	1:137:A:ILE:HG13	1:113:A:VAL:H	4	4.54
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	4	4.54
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	4	4.54
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	4	4.54
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	10	4.53
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	10	4.53
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	10	4.53
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	2	4.53
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	2	4.53
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	13	4.53
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	10	4.52
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	14	4.52
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	17	4.52
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	13	4.51
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	1	4.51
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	16	4.51
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	3	4.51
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	12	4.51
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	12	4.51
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	12	4.51
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	1	4.51
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	1	4.51
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	1	4.51
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	6	4.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	6	4.51
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	6	4.51
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	6	4.5
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	6	4.5
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	6	4.5
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	10	4.5
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	9	4.5
(4,17)	1:137:A:ILE:H	1:98:A:PRO:HA	10	4.5
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	6	4.5
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	19	4.5
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	8	4.5
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	13	4.5
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	12	4.49
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	12	4.49
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	12	4.49
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	3	4.49
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	15	4.48
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	15	4.48
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	15	4.48
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	15	4.48
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	15	4.48
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	15	4.48
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	10	4.48
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	1	4.48
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	12	4.48
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	12	4.48
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	12	4.48
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	12	4.48
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	12	4.48
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	12	4.48
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	12	4.48
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	12	4.48
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	12	4.48
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	18	4.48
(4,123)	1:96:A:LEU:HD21	1:145:A:GLN:H	18	4.47
(4,123)	1:96:A:LEU:HD22	1:145:A:GLN:H	18	4.47
(4,123)	1:96:A:LEU:HD23	1:145:A:GLN:H	18	4.47
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	5	4.47
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	5	4.47
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	5	4.47
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	5	4.47
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	2	4.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	7	4.47
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	16	4.46
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	2	4.46
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	18	4.46
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	2	4.45
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	8	4.45
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	8	4.45
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	8	4.45
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	11	4.45
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	5	4.45
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	5	4.45
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	5	4.45
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	12	4.44
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	7	4.44
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	8	4.44
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	12	4.43
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	4	4.43
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	19	4.43
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	7	4.42
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	7	4.42
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	7	4.42
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	15	4.4
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	14	4.4
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	7	4.4
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	7	4.4
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	7	4.4
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	7	4.4
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	7	4.4
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	7	4.4
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	2	4.4
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	5	4.4
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	8	4.39
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	12	4.39
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	4	4.39
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	8	4.39
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	18	4.39
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	18	4.39
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	18	4.39
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	12	4.39
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	1	4.38
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	16	4.38
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	17	4.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	5	4.37
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	5	4.37
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	5	4.37
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	6	4.37
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	14	4.37
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	14	4.37
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	14	4.37
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	14	4.37
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	14	4.37
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	14	4.37
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	12	4.37
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	4	4.37
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	5	4.37
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	5	4.37
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	5	4.37
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	13	4.37
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	10	4.36
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	16	4.36
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	1	4.36
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	6	4.35
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	14	4.35
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	15	4.35
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	17	4.35
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	20	4.35
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	5	4.34
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	10	4.34
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	1	4.34
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	9	4.34
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	3	4.33
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	10	4.33
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	16	4.33
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	16	4.33
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	16	4.33
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	9	4.33
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	1	4.32
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	1	4.32
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	1	4.32
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	20	4.32
(4,78)	1:54:A:ILE:H	1:29:A:TYR:HA	11	4.31
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	5	4.31
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	8	4.3
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	8	4.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	8	4.3
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	8	4.3
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	8	4.3
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	8	4.3
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	13	4.3
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	13	4.3
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	13	4.3
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	14	4.3
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	19	4.29
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	19	4.29
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	19	4.29
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	19	4.29
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	19	4.29
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	19	4.29
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	18	4.29
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	18	4.29
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	18	4.29
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	4	4.29
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	4	4.29
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	4	4.29
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	7	4.29
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	7	4.29
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	7	4.29
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	12	4.29
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	12	4.29
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	12	4.29
(4,16)	1:137:A:ILE:H	1:126:A:LYS:HA	8	4.29
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	13	4.28
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	3	4.28
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	3	4.28
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	3	4.28
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	17	4.27
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	13	4.27
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	10	4.27
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	10	4.27
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	10	4.27
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	8	4.27
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	8	4.27
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	8	4.27
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	9	4.27
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	2	4.26
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	2	4.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	20	4.26
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	8	4.26
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	8	4.26
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	8	4.26
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	16	4.25
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	16	4.25
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	16	4.25
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	9	4.25
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	9	4.25
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	9	4.25
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	19	4.25
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	19	4.25
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	19	4.25
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	20	4.24
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	20	4.24
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	20	4.24
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	8	4.24
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	4	4.24
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	4	4.24
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	4	4.24
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	20	4.23
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	17	4.23
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	9	4.23
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	6	4.23
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	17	4.23
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	2	4.22
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	2	4.22
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	2	4.22
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	17	4.22
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	17	4.22
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	17	4.22
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	8	4.22
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	16	4.22
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	10	4.22
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	10	4.22
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	10	4.22
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	10	4.22
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	10	4.22
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	10	4.22
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	16	4.22
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	16	4.22
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	16	4.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	17	4.22
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	6	4.2
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	10	4.2
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	18	4.19
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	13	4.18
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	10	4.17
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	14	4.17
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	3	4.17
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	6	4.16
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	6	4.16
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	6	4.16
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	6	4.16
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	6	4.16
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	6	4.16
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	13	4.16
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	13	4.16
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	13	4.16
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	13	4.16
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	13	4.16
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	13	4.16
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	13	4.16
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	13	4.16
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	13	4.16
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	17	4.16
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	17	4.16
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	17	4.16
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	2	4.16
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	11	4.15
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	11	4.15
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	11	4.15
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	11	4.15
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	11	4.15
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	11	4.15
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	20	4.15
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	20	4.15
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	20	4.15
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	2	4.15
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	2	4.15
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	2	4.15
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	16	4.14
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	19	4.14
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	20	4.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	19	4.12
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	19	4.12
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	19	4.12
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	16	4.12
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	16	4.12
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	16	4.12
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	16	4.12
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	19	4.12
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	7	4.11
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	15	4.11
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	11	4.11
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	16	4.1
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	16	4.1
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	13	4.1
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	5	4.09
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	7	4.09
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	7	4.09
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	8	4.09
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	8	4.09
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	8	4.09
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	8	4.09
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	8	4.09
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	8	4.09
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	8	4.09
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	8	4.09
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	8	4.09
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	8	4.09
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	8	4.09
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	3	4.09
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	16	4.08
(4,2)	1:138:A:LEU:HD21	1:131:A:ALA:H	4	4.07
(4,2)	1:138:A:LEU:HD22	1:131:A:ALA:H	4	4.07
(4,2)	1:138:A:LEU:HD23	1:131:A:ALA:H	4	4.07
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	11	4.07
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	11	4.07
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	11	4.07
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	11	4.07
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	11	4.07
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	11	4.07
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	11	4.07
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	11	4.07
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	11	4.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	18	4.06
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	18	4.06
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	18	4.06
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	15	4.06
(4,30)	1:51:A:MET:H	1:34:A:MET:HB2	7	4.06
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	6	4.05
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	6	4.05
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	6	4.05
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	8	4.05
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	10	4.04
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	3	4.04
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	3	4.04
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	3	4.04
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	3	4.04
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	3	4.04
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	3	4.04
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	3	4.04
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	3	4.04
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	3	4.04
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	17	4.03
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	17	4.03
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	19	4.03
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	19	4.03
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	19	4.03
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	19	4.03
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	1	4.02
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	1	4.02
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	12	4.02
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	12	4.02
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	12	4.02
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	12	4.02
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	20	4.01
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	20	4.01
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	20	4.01
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	17	4.01
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	17	4.01
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	17	4.01
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	17	4.01
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	4	4.01
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	4	4.01
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	4	4.01
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	4	4.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	4	4.01
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	4	4.01
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	4	4.01
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	4	4.01
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	4	4.01
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	9	4.0
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	11	4.0
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	16	3.99
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	9	3.99
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	9	3.99
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	9	3.99
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	14	3.99
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	14	3.99
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	14	3.99
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	19	3.98
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	9	3.98
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	6	3.98
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	6	3.98
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	6	3.98
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	19	3.97
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	19	3.97
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	19	3.97
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	1	3.97
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	1	3.97
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	1	3.97
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	14	3.97
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	14	3.97
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	14	3.97
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	15	3.97
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	4	3.97
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	4	3.97
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	7	3.97
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	7	3.97
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	7	3.97
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	4	3.97
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	4	3.97
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	4	3.97
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	10	3.97
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	10	3.97
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	10	3.97
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	8	3.97
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	8	3.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	8	3.97
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	3	3.96
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	3	3.96
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	3	3.96
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	4	3.96
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	16	3.95
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	16	3.95
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	16	3.95
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	16	3.95
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	16	3.95
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	16	3.95
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	20	3.95
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	20	3.95
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	20	3.95
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	20	3.95
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	20	3.95
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	20	3.95
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	15	3.94
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	15	3.94
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	15	3.94
(4,76)	1:143:A:ALA:HB1	1:93:A:GLU:HA	13	3.94
(4,76)	1:143:A:ALA:HB2	1:93:A:GLU:HA	13	3.94
(4,76)	1:143:A:ALA:HB3	1:93:A:GLU:HA	13	3.94
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	6	3.94
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	6	3.94
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	11	3.94
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	11	3.94
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	14	3.94
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	14	3.94
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	12	3.94
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	12	3.94
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	12	3.94
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	12	3.94
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	12	3.94
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	12	3.94
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	20	3.94
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	17	3.93
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	17	3.93
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	17	3.93
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	14	3.93
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	9	3.93
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	9	3.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	9	3.93
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	10	3.93
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	10	3.93
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	19	3.93
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	19	3.93
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	15	3.93
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	15	3.93
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	15	3.93
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	15	3.93
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	15	3.93
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	15	3.93
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	15	3.93
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	15	3.93
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	15	3.93
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	6	3.92
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	6	3.92
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	6	3.92
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	12	3.92
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	12	3.92
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	12	3.92
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	7	3.92
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	17	3.92
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	17	3.92
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	17	3.92
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	15	3.92
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	4	3.91
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	13	3.91
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE1	3	3.9
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE2	3	3.9
(4,135)	1:48:A:TYR:HA	1:51:A:MET:HE3	3	3.9
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	1	3.9
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	1	3.9
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	1	3.9
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	9	3.9
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	9	3.9
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	19	3.9
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	19	3.9
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	19	3.9
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	19	3.9
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	19	3.9
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	19	3.9
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	19	3.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	19	3.9
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	19	3.9
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	5	3.9
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	5	3.9
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	5	3.9
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	15	3.9
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	11	3.89
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	11	3.89
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	11	3.89
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	9	3.89
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	18	3.89
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	7	3.89
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	4	3.88
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	4	3.88
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	4	3.88
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	13	3.88
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	14	3.87
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	14	3.87
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	14	3.87
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	17	3.87
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	19	3.87
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	19	3.87
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	19	3.87
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	19	3.87
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	19	3.87
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	19	3.87
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	19	3.87
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	19	3.87
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	19	3.87
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	7	3.86
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	8	3.86
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	12	3.86
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	12	3.86
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	2	3.85
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	2	3.85
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	2	3.85
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	18	3.85
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	18	3.85
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	18	3.85
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	19	3.85
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	19	3.85
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	19	3.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	9	3.85
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	10	3.85
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	10	3.85
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	10	3.85
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	18	3.85
(4,3)	1:126:A:LYS:HA	1:107:A:ALA:H	11	3.85
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	7	3.85
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	8	3.84
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	8	3.84
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	8	3.84
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	16	3.84
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	16	3.84
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	16	3.84
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	5	3.84
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	5	3.84
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	16	3.84
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	5	3.84
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	20	3.84
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	20	3.84
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	20	3.84
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	1	3.84
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	16	3.84
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	16	3.84
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	16	3.84
(2,1457)	1:58:A:GLU:HB2	1:55:A:PRO:HA	4	3.84
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	6	3.83
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	6	3.83
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	6	3.83
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	6	3.83
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	15	3.83
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	15	3.83
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	11	3.83
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	19	3.83
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	2	3.83
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	2	3.83
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	2	3.83
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	2	3.83
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	2	3.83
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	2	3.83
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	2	3.83
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	2	3.83
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	2	3.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	5	3.83
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	5	3.83
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	5	3.83
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	1	3.82
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	13	3.82
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	13	3.82
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	20	3.82
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	20	3.82
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	20	3.82
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	1	3.82
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	1	3.82
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	1	3.82
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	3	3.81
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	17	3.81
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	17	3.81
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	17	3.81
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	20	3.81
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	19	3.81
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	16	3.81
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	4	3.81
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	4	3.81
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	4	3.81
(2,2240)	1:33:A:PRO:HB2	1:53:A:LEU:HB2	18	3.81
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	6	3.8
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	6	3.8
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	6	3.8
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	20	3.8
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	20	3.8
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	12	3.8
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	12	3.8
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	12	3.8
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	3	3.8
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	6	3.8
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	6	3.8
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	6	3.8
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	4	3.8
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	8	3.8
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	1	3.8
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	10	3.79
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	10	3.79
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	10	3.79
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	13	3.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	12	3.79
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	12	3.79
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	12	3.79
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	12	3.79
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	12	3.79
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	12	3.79
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	12	3.79
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	12	3.79
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	12	3.79
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	12	3.79
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	7	3.78
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	7	3.78
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	7	3.78
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	8	3.78
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	7	3.78
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	7	3.78
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	7	3.78
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	15	3.78
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	16	3.78
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	16	3.78
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	16	3.78
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	4	3.77
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	4	3.77
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	4	3.77
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	5	3.77
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	5	3.77
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	5	3.77
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	2	3.77
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	2	3.77
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	2	3.77
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	16	3.77
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	16	3.77
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	16	3.77
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	3	3.77
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	3	3.77
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	3	3.77
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	14	3.77
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB1	12	3.77
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB2	12	3.77
(4,15)	1:57:A:TYR:H	1:19:A:ALA:HB3	12	3.77
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	12	3.77
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	12	3.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	12	3.77
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	12	3.77
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	12	3.77
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	12	3.77
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	12	3.77
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	12	3.77
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	12	3.77
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	17	3.77
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	17	3.77
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	17	3.77
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	12	3.76
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	12	3.76
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	12	3.76
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	18	3.76
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	18	3.76
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	18	3.76
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	18	3.76
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	18	3.76
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	18	3.76
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	18	3.76
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	14	3.76
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	14	3.76
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	14	3.76
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	2	3.76
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	8	3.76
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	8	3.76
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	8	3.76
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	19	3.76
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	19	3.76
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	19	3.76
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	8	3.76
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	8	3.76
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	8	3.76
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	8	3.76
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	8	3.76
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	8	3.76
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	8	3.76
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	8	3.76
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	8	3.76
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	11	3.75
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	1	3.75
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	2	3.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	2	3.74
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	2	3.74
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	7	3.74
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	7	3.74
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	7	3.74
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	7	3.73
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	7	3.73
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	7	3.73
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	8	3.73
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	8	3.73
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	8	3.73
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	19	3.73
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	19	3.73
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	19	3.73
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	18	3.73
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	18	3.73
(4,46)	1:58:A:GLU:HA	1:24:A:GLY:H	4	3.73
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	4	3.73
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	9	3.72
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	9	3.72
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	9	3.72
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	18	3.72
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	18	3.72
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	18	3.72
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	10	3.72
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	9	3.72
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	9	3.72
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	9	3.72
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	14	3.72
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	2	3.72
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	2	3.72
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	10	3.72
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	10	3.72
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	10	3.72
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	8	3.72
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	5	3.72
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	5	3.72
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	5	3.72
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	13	3.71
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	13	3.71
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	13	3.71
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	10	3.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	9	3.7
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	9	3.7
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	9	3.7
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	17	3.7
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	17	3.7
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	17	3.7
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	15	3.7
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	20	3.69
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	20	3.69
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	20	3.69
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	3	3.69
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	3	3.69
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	3	3.69
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	4	3.69
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	4	3.69
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	4	3.69
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	14	3.69
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	14	3.69
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	14	3.69
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	5	3.69
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	4	3.68
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	10	3.68
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	10	3.68
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	10	3.68
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	11	3.68
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	11	3.68
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	11	3.68
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	2	3.68
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	2	3.68
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	2	3.68
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	2	3.68
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	2	3.67
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	2	3.67
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	2	3.67
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	8	3.67
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	8	3.67
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	8	3.67
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	15	3.67
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	15	3.67
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	15	3.67
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	4	3.67
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	4	3.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	4	3.67
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	6	3.66
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	6	3.66
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	6	3.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	6	3.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	6	3.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	6	3.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	6	3.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	6	3.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	6	3.66
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	6	3.66
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	6	3.66
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	6	3.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	6	3.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	6	3.66
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	6	3.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	6	3.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	6	3.66
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	6	3.66
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	9	3.66
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	9	3.66
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	9	3.66
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	6	3.66
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	6	3.66
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	8	3.66
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	8	3.66
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	8	3.66
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	6	3.66
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	15	3.65
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	1	3.65
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	1	3.65
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	1	3.65
(4,58)	1:48:A:TYR:HD1	1:36:A:PRO:HA	3	3.65
(4,58)	1:48:A:TYR:HD2	1:36:A:PRO:HA	3	3.65
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	1	3.65
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	1	3.65
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	1	3.65
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	10	3.65
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	10	3.65
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	10	3.65
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	18	3.64
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	18	3.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	18	3.64
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	3	3.64
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	17	3.64
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	17	3.64
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	17	3.64
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	14	3.64
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	14	3.64
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	14	3.64
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	14	3.64
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	14	3.64
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	14	3.64
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	14	3.64
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	14	3.64
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	14	3.64
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	5	3.62
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	1	3.62
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	1	3.62
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	18	3.62
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	18	3.62
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	18	3.62
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA3	10	3.62
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA2	10	3.62
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	13	3.61
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	13	3.61
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	13	3.61
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	1	3.61
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	11	3.61
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	17	3.61
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	17	3.61
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	17	3.61
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	20	3.61
(4,120)	1:110:A:ILE:HG13	1:122:A:PRO:HD3	7	3.6
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	16	3.6
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	16	3.6
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	16	3.6
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	9	3.6
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	9	3.6
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	9	3.6
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	9	3.6
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	9	3.6
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	9	3.6
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	9	3.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	9	3.6
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	9	3.6
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	4	3.6
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	13	3.59
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	13	3.59
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	13	3.59
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	13	3.59
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	13	3.59
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	13	3.59
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	2	3.59
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	2	3.59
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	2	3.59
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	6	3.59
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	6	3.59
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	6	3.59
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	15	3.59
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	15	3.59
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	15	3.59
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	9	3.59
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	15	3.58
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	15	3.58
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	15	3.58
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	8	3.58
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	8	3.58
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	8	3.58
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	5	3.58
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	5	3.58
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	5	3.58
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG21	15	3.58
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG22	15	3.58
(4,42)	1:130:A:THR:H	1:97:A:VAL:HG23	15	3.58
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	10	3.58
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	11	3.58
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	2	3.58
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	2	3.58
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	2	3.58
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	18	3.57
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	18	3.57
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	18	3.57
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	19	3.57
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	20	3.57
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	9	3.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	9	3.57
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	9	3.57
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	20	3.56
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	20	3.56
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	20	3.56
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	18	3.56
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	19	3.56
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	4	3.56
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	4	3.56
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	4	3.56
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	19	3.55
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	19	3.55
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	19	3.55
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	4	3.55
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	20	3.54
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	5	3.54
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	5	3.54
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	5	3.54
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	11	3.54
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	10	3.54
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	10	3.54
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	10	3.54
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	5	3.54
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	5	3.54
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	5	3.54
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	14	3.53
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	14	3.53
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	14	3.53
(4,96)	1:67:A:VAL:HG11	1:77:A:LEU:HB3	6	3.53
(4,96)	1:67:A:VAL:HG12	1:77:A:LEU:HB3	6	3.53
(4,96)	1:67:A:VAL:HG13	1:77:A:LEU:HB3	6	3.53
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	19	3.53
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	19	3.53
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	19	3.53
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	4	3.53
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	5	3.53
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	14	3.52
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	14	3.52
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	14	3.52
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	12	3.52
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	17	3.52
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	2	3.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	2	3.52
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	2	3.52
(4,127)	1:138:A:LEU:HD11	1:125:A:VAL:HB	7	3.51
(4,127)	1:138:A:LEU:HD12	1:125:A:VAL:HB	7	3.51
(4,127)	1:138:A:LEU:HD13	1:125:A:VAL:HB	7	3.51
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	15	3.51
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	15	3.51
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	15	3.51
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	16	3.51
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	5	3.51
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	1	3.51
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	1	3.51
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	1	3.51
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	2	3.51
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	8	3.51
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	6	3.5
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	6	3.5
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	6	3.5
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	5	3.5
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	5	3.5
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	5	3.5
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	2	3.5
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	2	3.5
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	2	3.5
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	6	3.49
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	6	3.49
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	6	3.49
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	15	3.49
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	15	3.49
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	17	3.49
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	17	3.49
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	3	3.49
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	7	3.49
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	10	3.49
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	11	3.48
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	8	3.48
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	10	3.48
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	7	3.48
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	1	3.48
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	4	3.48
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	4	3.48
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	4	3.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	15	3.48
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	15	3.48
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	15	3.48
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	3	3.47
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	7	3.47
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	7	3.47
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	7	3.47
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	6	3.47
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	16	3.47
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	16	3.47
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	16	3.47
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	2	3.46
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	7	3.46
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	7	3.46
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	7	3.46
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	19	3.46
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	19	3.46
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	14	3.46
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	14	3.46
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	14	3.46
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	15	3.46
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	15	3.46
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	15	3.46
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	12	3.45
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	12	3.45
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	16	3.45
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	16	3.45
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	6	3.45
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	6	3.45
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	6	3.45
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	11	3.45
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	11	3.44
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	11	3.44
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	11	3.44
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	20	3.44
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	20	3.44
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	20	3.44
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	10	3.44
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	10	3.44
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	10	3.44
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	10	3.44
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	10	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	10	3.44
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	12	3.43
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	12	3.43
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	12	3.43
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	2	3.43
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	2	3.43
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	2	3.43
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	6	3.43
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	17	3.43
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	18	3.43
(4,122)	1:96:A:LEU:HD21	1:139:A:GLU:H	3	3.42
(4,122)	1:96:A:LEU:HD22	1:139:A:GLU:H	3	3.42
(4,122)	1:96:A:LEU:HD23	1:139:A:GLU:H	3	3.42
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	7	3.42
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	1	3.42
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	17	3.42
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	17	3.42
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	17	3.42
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	17	3.42
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	17	3.42
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	17	3.42
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	9	3.41
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	6	3.41
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	9	3.4
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	9	3.4
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	9	3.4
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	16	3.4
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	12	3.4
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	12	3.39
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	12	3.39
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	12	3.39
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	16	3.39
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	9	3.39
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	9	3.39
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	9	3.39
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	1	3.39
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	8	3.39
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	8	3.39
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	8	3.39
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	3	3.39
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	3	3.39
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	3	3.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	11	3.39
(4,110)	1:55:A:PRO:HB2	1:43:A:PRO:HD3	3	3.38
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	4	3.38
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	12	3.38
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	12	3.38
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	12	3.38
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	10	3.38
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	2	3.38
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	2	3.38
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	2	3.38
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	12	3.38
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	12	3.38
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	12	3.38
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	18	3.38
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	18	3.38
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	18	3.38
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	19	3.38
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	19	3.38
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	19	3.38
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	5	3.37
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	16	3.37
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	12	3.37
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	2	3.37
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	2	3.37
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	2	3.37
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	11	3.36
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	11	3.36
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	11	3.36
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	9	3.36
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	6	3.36
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	6	3.36
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	6	3.36
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	20	3.36
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	20	3.36
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	20	3.36
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	9	3.36
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	9	3.36
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	9	3.36
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	3	3.35
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	3	3.35
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	3	3.35
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	4	3.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	4	3.35
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	4	3.35
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	2	3.35
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	2	3.35
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	2	3.35
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	14	3.35
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	14	3.35
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	14	3.35
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	13	3.35
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	14	3.34
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	14	3.34
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	14	3.34
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	2	3.34
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	18	3.34
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	9	3.34
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	9	3.34
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	9	3.34
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	17	3.33
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	12	3.33
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	16	3.33
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	16	3.33
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	16	3.33
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	6	3.33
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	10	3.33
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	10	3.33
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	10	3.33
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	15	3.33
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	15	3.33
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	15	3.33
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	19	3.33
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	19	3.33
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	19	3.33
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	20	3.33
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	10	3.33
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	18	3.33
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	10	3.32
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	3	3.32
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	3	3.32
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	3	3.32
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	20	3.32
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	20	3.32
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	20	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	9	3.31
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	9	3.31
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	17	3.31
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	18	3.31
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	11	3.31
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	11	3.31
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	11	3.31
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	17	3.31
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	17	3.31
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	17	3.31
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	17	3.31
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	17	3.31
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	17	3.31
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	1	3.31
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	1	3.31
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	1	3.31
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	6	3.31
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	20	3.31
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	5	3.3
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	8	3.3
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	8	3.3
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	8	3.3
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	1	3.3
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	1	3.3
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	1	3.3
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	9	3.3
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	9	3.3
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	9	3.3
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	15	3.3
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	15	3.3
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	15	3.3
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	18	3.3
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG21	12	3.29
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG22	12	3.29
(4,115)	1:43:A:PRO:HB3	1:54:A:ILE:HG23	12	3.29
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	19	3.29
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	20	3.29
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	7	3.29
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	12	3.28
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	12	3.28
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	12	3.28
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	11	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	11	3.28
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	11	3.28
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	4	3.28
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	12	3.28
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	11	3.27
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	10	3.27
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	3	3.27
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	3	3.27
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	3	3.27
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	4	3.26
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	4	3.26
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	4	3.26
(4,67)	1:54:A:ILE:HG21	1:43:A:PRO:HA	3	3.26
(4,67)	1:54:A:ILE:HG22	1:43:A:PRO:HA	3	3.26
(4,67)	1:54:A:ILE:HG23	1:43:A:PRO:HA	3	3.26
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	11	3.26
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	11	3.26
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	11	3.26
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	11	3.26
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	11	3.26
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	7	3.26
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	7	3.26
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	7	3.26
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	6	3.26
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	6	3.26
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	6	3.26
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	3	3.26
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	3	3.26
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	3	3.26
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	6	3.26
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	6	3.26
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	6	3.26
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	20	3.26
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	20	3.26
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	20	3.26
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	1	3.26
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	16	3.25
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	4	3.25
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	19	3.25
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	13	3.25
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	13	3.25
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	13	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	13	3.25
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	13	3.25
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	13	3.25
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	8	3.25
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	8	3.25
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	8	3.25
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	4	3.25
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	2	3.25
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	2	3.25
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	6	3.25
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	3	3.25
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	3	3.25
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	3	3.25
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	14	3.25
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	4	3.24
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	4	3.24
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	4	3.24
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	10	3.24
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	10	3.24
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	10	3.24
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	14	3.24
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	14	3.24
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	14	3.24
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	9	3.23
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	7	3.23
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	7	3.23
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	8	3.23
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	8	3.23
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	8	3.23
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	14	3.23
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	14	3.23
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	14	3.23
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	7	3.23
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	7	3.23
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	7	3.23
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	4	3.23
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	4	3.23
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	4	3.23
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	8	3.23
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	8	3.23
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	8	3.23
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	4	3.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	14	3.23
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	14	3.23
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	14	3.23
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	2	3.23
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	16	3.23
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	2	3.23
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	2	3.23
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	2	3.23
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	8	3.23
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	8	3.23
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	8	3.23
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	12	3.22
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	1	3.22
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	1	3.22
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	1	3.22
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	9	3.22
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	9	3.22
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	9	3.22
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	12	3.22
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	12	3.22
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	12	3.22
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	15	3.22
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	6	3.22
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	6	3.22
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	6	3.22
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	19	3.22
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	19	3.22
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	19	3.22
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	20	3.22
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	20	3.22
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	20	3.22
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	1	3.22
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	1	3.22
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	1	3.22
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	17	3.22
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	17	3.22
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	17	3.22
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	11	3.21
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	11	3.21
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	11	3.21
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	9	3.21
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	9	3.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	9	3.21
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	20	3.21
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	20	3.21
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	20	3.21
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	8	3.21
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	8	3.21
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	8	3.21
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	6	3.21
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	5	3.2
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	5	3.2
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	5	3.2
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	15	3.2
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	15	3.2
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	15	3.2
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	15	3.2
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	13	3.2
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	13	3.2
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	13	3.2
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	3	3.2
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	3	3.2
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	3	3.2
(4,84)	1:56:A:VAL:HG11	1:65:A:ALA:HA	19	3.19
(4,84)	1:56:A:VAL:HG12	1:65:A:ALA:HA	19	3.19
(4,84)	1:56:A:VAL:HG13	1:65:A:ALA:HA	19	3.19
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	13	3.19
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	6	3.19
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	1	3.19
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	13	3.19
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	13	3.19
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	13	3.19
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	14	3.19
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	14	3.19
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	14	3.19
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	9	3.19
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	9	3.19
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	9	3.19
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	17	3.19
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	17	3.19
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	17	3.19
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	7	3.19
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	7	3.19
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	7	3.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	11	3.19
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	8	3.19
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	8	3.19
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	8	3.19
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	18	3.19
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	7	3.18
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	9	3.18
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	9	3.18
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	9	3.18
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	8	3.18
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	8	3.18
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	18	3.18
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	18	3.18
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	18	3.18
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	20	3.18
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	20	3.18
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	20	3.18
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	7	3.18
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	8	3.18
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	8	3.18
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	8	3.18
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	5	3.18
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	12	3.17
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	20	3.17
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	20	3.17
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	10	3.17
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	13	3.16
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	17	3.16
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	17	3.15
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	17	3.15
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	17	3.15
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	13	3.15
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	5	3.15
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	5	3.15
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	5	3.15
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	4	3.15
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	4	3.15
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	4	3.15
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	1	3.15
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	14	3.15
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	6	3.14
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	12	3.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	12	3.14
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	12	3.14
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	7	3.14
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	7	3.14
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	7	3.14
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	13	3.14
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	13	3.14
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	13	3.14
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	13	3.14
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	13	3.14
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	13	3.14
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	8	3.13
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	8	3.13
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	8	3.13
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	8	3.13
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	8	3.13
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	8	3.13
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	1	3.13
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	6	3.13
(4,55)	1:87:A:GLY:HA3	1:92:A:THR:HB	17	3.13
(4,37)	1:85:A:LYS:HA	1:142:A:LYS:H	14	3.13
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	7	3.13
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	13	3.12
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	13	3.12
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	2	3.12
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	6	3.12
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	6	3.12
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	6	3.12
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	6	3.12
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	13	3.12
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	13	3.12
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	13	3.12
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	5	3.12
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	5	3.12
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	5	3.12
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	17	3.12
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	17	3.12
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	17	3.12
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	18	3.12
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	9	3.12
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	9	3.12
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	9	3.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	11	3.12
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	1	3.12
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	9	3.12
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	13	3.11
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	13	3.11
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	13	3.11
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	3	3.11
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	12	3.11
(4,1)	1:97:A:VAL:HG21	1:131:A:ALA:H	13	3.11
(4,1)	1:97:A:VAL:HG22	1:131:A:ALA:H	13	3.11
(4,1)	1:97:A:VAL:HG23	1:131:A:ALA:H	13	3.11
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	11	3.11
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	20	3.11
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	6	3.1
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	2	3.1
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	2	3.1
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	2	3.1
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	14	3.1
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	14	3.1
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	14	3.1
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	10	3.1
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	10	3.1
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	10	3.1
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	3	3.09
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	7	3.09
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	13	3.09
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	18	3.09
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	18	3.09
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	18	3.09
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	15	3.09
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	15	3.09
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	11	3.09
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	11	3.09
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	11	3.09
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	1	3.09
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	8	3.09
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	15	3.09
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	4	3.08
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	4	3.08
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	4	3.08
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	10	3.08
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	10	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	10	3.08
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	14	3.08
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	14	3.08
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	8	3.08
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	2	3.07
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	17	3.07
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	5	3.07
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	5	3.07
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	1	3.07
(4,10)	1:28:A:LEU:HB3	1:57:A:TYR:H	4	3.07
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	12	3.07
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	12	3.07
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	12	3.07
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	14	3.07
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	20	3.07
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	8	3.06
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	15	3.06
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	1	3.06
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	18	3.06
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	5	3.06
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	14	3.06
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	3	3.06
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	3	3.06
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	3	3.06
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	12	3.06
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	12	3.06
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	12	3.06
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	7	3.06
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	7	3.06
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	7	3.06
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	15	3.05
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	19	3.05
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	19	3.05
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	19	3.05
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	12	3.05
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	16	3.05
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	16	3.05
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	16	3.05
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	11	3.04
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	2	3.04
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	2	3.04
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	2	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	17	3.04
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	10	3.04
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	10	3.04
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	10	3.04
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	15	3.04
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	15	3.04
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	15	3.04
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	1	3.04
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	1	3.04
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	1	3.04
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	6	3.04
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	6	3.04
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	6	3.04
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	6	3.04
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	20	3.03
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	8	3.03
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	8	3.03
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	8	3.03
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	15	3.03
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	15	3.03
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	15	3.03
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	1	3.03
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	1	3.03
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	18	3.03
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	18	3.03
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	18	3.03
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	10	3.03
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	10	3.03
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	10	3.03
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	17	3.03
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	17	3.03
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	17	3.03
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	17	3.03
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	16	3.02
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	16	3.02
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	16	3.02
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	4	3.02
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	4	3.02
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	2	3.02
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	11	3.02
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	14	3.02
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	14	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	14	3.02
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	10	3.02
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	10	3.02
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	10	3.02
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	10	3.02
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	10	3.02
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	10	3.02
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	9	3.02
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	20	3.02
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	3	3.01
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	9	3.01
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	9	3.01
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	14	3.01
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	3	3.01
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	20	3.01
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	15	3.01
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	15	3.01
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	15	3.01
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	15	3.01
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	5	3.0
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	5	3.0
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	5	3.0
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	13	3.0
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	13	3.0
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	13	3.0
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	14	3.0
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	14	3.0
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	14	3.0
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	15	3.0
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	15	3.0
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	15	3.0
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	9	3.0
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	9	3.0
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	9	3.0
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	11	3.0
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	11	3.0
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	11	3.0
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	12	3.0
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	2	3.0
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	1	3.0
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	12	3.0
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	3	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	3	2.99
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	3	2.99
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	11	2.99
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	18	2.99
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	11	2.99
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	3	2.99
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	3	2.99
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	3	2.99
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	7	2.99
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	7	2.99
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	7	2.99
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	4	2.99
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	4	2.99
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	4	2.99
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	11	2.99
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	11	2.99
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	11	2.99
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	14	2.99
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	14	2.99
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	14	2.99
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	7	2.98
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	7	2.98
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	7	2.98
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	4	2.98
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	13	2.98
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	13	2.98
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	13	2.98
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	18	2.98
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	18	2.98
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	18	2.98
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	6	2.98
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	5	2.97
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	6	2.97
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	6	2.97
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	6	2.97
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	15	2.97
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	19	2.97
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	5	2.97
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	5	2.97
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	5	2.97
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	7	2.97
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	7	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	7	2.97
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	20	2.97
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	9	2.97
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	9	2.97
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	9	2.97
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	12	2.97
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	12	2.97
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	12	2.97
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	20	2.97
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	20	2.97
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	20	2.97
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	11	2.97
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	9	2.96
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	14	2.96
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	3	2.96
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	3	2.96
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	4	2.96
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	4	2.96
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	4	2.96
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	4	2.96
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	4	2.96
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	4	2.96
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	4	2.96
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	4	2.96
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	4	2.96
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	20	2.95
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	2	2.95
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	8	2.95
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	8	2.95
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	8	2.95
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	3	2.95
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	3	2.95
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	3	2.95
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	10	2.95
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	10	2.95
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	10	2.95
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	5	2.94
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	13	2.94
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	13	2.94
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	13	2.94
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	5	2.94
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	7	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	20	2.93
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	20	2.93
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	15	2.93
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	10	2.93
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	10	2.93
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	10	2.93
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	10	2.93
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	10	2.93
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	10	2.93
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	10	2.93
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	10	2.93
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	10	2.93
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	16	2.93
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	16	2.93
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	16	2.93
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	8	2.93
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	8	2.93
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	8	2.93
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	20	2.93
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	15	2.93
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	8	2.93
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	14	2.93
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	14	2.92
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	8	2.92
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	2	2.92
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	2	2.92
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	2	2.92
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	2	2.92
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	6	2.92
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	10	2.91
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	11	2.91
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	19	2.91
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	19	2.91
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	19	2.91
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	5	2.91
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	5	2.91
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	5	2.91
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	11	2.91
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	11	2.91
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	11	2.91
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	16	2.91
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	7	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	13	2.9
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	13	2.9
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	13	2.9
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	20	2.9
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	20	2.9
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	20	2.9
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	14	2.9
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	14	2.9
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	14	2.9
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	5	2.9
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	5	2.9
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	5	2.9
(4,33)	1:28:A:LEU:HA	1:58:A:GLU:H	4	2.89
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	8	2.89
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	19	2.89
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	13	2.89
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	13	2.89
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	13	2.89
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	6	2.89
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	6	2.89
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	6	2.89
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	11	2.89
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	11	2.89
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	11	2.89
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	10	2.89
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	2	2.89
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA3	17	2.89
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA2	17	2.89
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	9	2.88
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	14	2.88
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	14	2.88
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	14	2.88
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	17	2.88
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	17	2.88
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	17	2.88
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	14	2.88
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	3	2.88
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	15	2.87
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	15	2.87
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	15	2.87
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	12	2.87
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	12	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	5	2.87
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	13	2.87
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	13	2.87
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	20	2.86
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	18	2.86
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	18	2.86
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	18	2.86
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	15	2.86
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	15	2.86
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	12	2.86
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	9	2.86
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	9	2.86
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	9	2.86
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	16	2.86
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	16	2.86
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	16	2.86
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	3	2.85
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	3	2.85
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	3	2.85
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	11	2.85
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	11	2.85
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	11	2.85
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	6	2.85
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	8	2.85
(4,27)	1:6:A:VAL:H	1:8:A:GLY:HA2	13	2.85
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	17	2.85
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	17	2.85
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	17	2.85
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	10	2.85
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	10	2.85
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	10	2.85
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	16	2.85
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	16	2.85
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	16	2.85
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	19	2.85
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	19	2.85
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	1	2.84
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	12	2.84
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	12	2.84
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	12	2.84
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	1	2.84
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	1	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	1	2.84
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	19	2.84
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	19	2.84
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	19	2.84
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	12	2.84
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	20	2.83
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	20	2.83
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	20	2.83
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	7	2.83
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	12	2.83
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	17	2.83
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	12	2.83
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	9	2.83
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	9	2.83
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	9	2.83
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	16	2.83
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	16	2.83
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	16	2.83
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	13	2.83
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG21	12	2.82
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG22	12	2.82
(4,51)	1:44:A:GLY:H	1:54:A:ILE:HG23	12	2.82
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	7	2.82
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	7	2.82
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	7	2.82
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	11	2.82
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	11	2.82
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	11	2.82
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	11	2.82
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	4	2.82
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	4	2.82
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	4	2.82
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	16	2.81
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	19	2.81
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	19	2.81
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	19	2.81
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	20	2.81
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	7	2.81
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	7	2.81
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	7	2.81
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	7	2.81
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	7	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	7	2.81
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	9	2.81
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	9	2.81
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	9	2.81
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA3	15	2.81
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA2	15	2.81
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	15	2.8
(4,64)	1:55:A:PRO:HA	1:44:A:GLY:H	18	2.8
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	9	2.8
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	9	2.8
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	9	2.8
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	15	2.8
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	15	2.8
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	15	2.8
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	11	2.8
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	18	2.8
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	5	2.8
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	5	2.8
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	5	2.8
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	9	2.8
(4,105)	1:113:A:VAL:HB	1:146:A:GLN:HA	14	2.79
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	3	2.79
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	3	2.79
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	3	2.79
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	6	2.79
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	6	2.79
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	6	2.79
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	16	2.78
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	16	2.78
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	16	2.78
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	4	2.78
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	4	2.78
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	4	2.78
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	6	2.78
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	6	2.78
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	6	2.78
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	15	2.78
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	15	2.78
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	15	2.78
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	14	2.78
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	14	2.78
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	14	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	20	2.78
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	20	2.78
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	20	2.78
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	11	2.78
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	4	2.77
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	18	2.77
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	18	2.77
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	5	2.77
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	5	2.77
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	5	2.77
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	5	2.77
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	5	2.77
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	5	2.77
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	16	2.77
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	18	2.77
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	12	2.77
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	12	2.77
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	12	2.77
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	13	2.77
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	17	2.77
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	17	2.77
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	17	2.77
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	7	2.77
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	3	2.77
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	3	2.77
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	3	2.77
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	1	2.77
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	1	2.77
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	1	2.77
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	16	2.76
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	16	2.76
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	16	2.76
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	17	2.76
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	17	2.76
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	17	2.76
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	2	2.76
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	17	2.76
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	17	2.76
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	17	2.76
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	13	2.76
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	13	2.76
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	13	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	8	2.76
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	8	2.76
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	8	2.76
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	17	2.76
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	6	2.76
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	9	2.76
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	3	2.76
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	3	2.76
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	3	2.76
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	17	2.76
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	17	2.76
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	17	2.76
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	18	2.76
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	18	2.76
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	18	2.76
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	17	2.75
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	17	2.75
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	17	2.75
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	13	2.75
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	13	2.75
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	13	2.75
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	11	2.75
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	9	2.75
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	9	2.75
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	9	2.75
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	9	2.75
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	9	2.75
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	9	2.75
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	14	2.74
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	20	2.74
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	12	2.74
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	11	2.74
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	11	2.74
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	11	2.74
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	1	2.74
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	1	2.74
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	1	2.74
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	11	2.74
(2,1468)	1:113:A:VAL:HG21	1:122:A:PRO:HA	20	2.74
(2,1468)	1:113:A:VAL:HG22	1:122:A:PRO:HA	20	2.74
(2,1468)	1:113:A:VAL:HG23	1:122:A:PRO:HA	20	2.74
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	1	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	17	2.73
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	17	2.73
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	1	2.73
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	1	2.73
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	1	2.73
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	9	2.73
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	11	2.73
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	14	2.73
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	14	2.73
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	14	2.73
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	1	2.73
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	2	2.72
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	2	2.72
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	17	2.72
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	12	2.72
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	17	2.72
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	7	2.72
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	7	2.72
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	7	2.72
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	9	2.72
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	15	2.72
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	15	2.72
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	15	2.72
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	15	2.72
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	16	2.72
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	13	2.71
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	13	2.71
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	13	2.71
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	13	2.71
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	19	2.71
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	10	2.71
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	10	2.71
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	10	2.71
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	10	2.71
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	10	2.71
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	10	2.71
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	10	2.71
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	10	2.71
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	10	2.71
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	19	2.71
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	20	2.71
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	3	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	8	2.71
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	10	2.7
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	10	2.7
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	3	2.7
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	6	2.7
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	6	2.7
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	6	2.7
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	14	2.7
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	4	2.7
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	4	2.7
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	4	2.7
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	19	2.7
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	13	2.69
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	14	2.69
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	13	2.69
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	13	2.69
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	13	2.69
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	20	2.69
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	20	2.69
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	20	2.69
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	1	2.69
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	1	2.69
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	1	2.69
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	4	2.69
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	7	2.69
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	7	2.69
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	7	2.69
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	1	2.68
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	16	2.68
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	9	2.68
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	9	2.68
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	9	2.68
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	4	2.68
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	4	2.68
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	4	2.68
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	16	2.68
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	16	2.68
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	16	2.68
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	10	2.68
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	4	2.68
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	2	2.68
(2,429)	1:67:A:VAL:HG21	1:165:A:VAL:H	18	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,429)	1:67:A:VAL:HG22	1:165:A:VAL:H	18	2.68
(2,429)	1:67:A:VAL:HG23	1:165:A:VAL:H	18	2.68
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	12	2.68
(4,83)	1:56:A:VAL:HG11	1:62:A:ALA:HA	4	2.67
(4,83)	1:56:A:VAL:HG12	1:62:A:ALA:HA	4	2.67
(4,83)	1:56:A:VAL:HG13	1:62:A:ALA:HA	4	2.67
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	2	2.67
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	2	2.67
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	2	2.67
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	7	2.67
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	7	2.67
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	13	2.67
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	15	2.67
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	18	2.67
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	1	2.67
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	1	2.67
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	1	2.67
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	13	2.67
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	13	2.67
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	13	2.67
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	13	2.67
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	13	2.67
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	13	2.67
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	13	2.67
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	13	2.67
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	13	2.67
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	13	2.67
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	13	2.67
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	13	2.67
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	6	2.66
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	6	2.66
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	17	2.66
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	20	2.66
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	20	2.66
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	9	2.66
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	9	2.66
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	9	2.66
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	17	2.66
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	4	2.66
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	1	2.66
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	15	2.66
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	15	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	15	2.66
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	8	2.65
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	17	2.65
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	19	2.65
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	18	2.65
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	18	2.65
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	18	2.65
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	8	2.65
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	8	2.65
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	8	2.65
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	15	2.65
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	19	2.65
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	16	2.65
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	10	2.64
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	14	2.64
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	14	2.64
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	14	2.64
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	19	2.64
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	19	2.64
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	9	2.64
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	16	2.64
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	15	2.64
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	15	2.64
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	15	2.64
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	17	2.64
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	17	2.64
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	17	2.64
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	16	2.64
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	16	2.64
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	16	2.64
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	18	2.64
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	18	2.64
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	18	2.64
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	4	2.64
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	8	2.64
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	7	2.64
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	1	2.64
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	12	2.64
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	12	2.64
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	12	2.64
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	10	2.63
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	10	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	10	2.63
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	19	2.63
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	19	2.63
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	19	2.63
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	5	2.63
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	5	2.63
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	10	2.63
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	6	2.63
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	7	2.63
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	7	2.63
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	7	2.63
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	8	2.63
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	8	2.63
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	8	2.63
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	14	2.63
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	14	2.63
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	14	2.63
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	8	2.62
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	8	2.62
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	8	2.62
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	7	2.62
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	10	2.62
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	20	2.62
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	15	2.62
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	15	2.62
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	15	2.62
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	3	2.62
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	3	2.62
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	3	2.62
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	20	2.62
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	20	2.62
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	20	2.62
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	14	2.62
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	20	2.62
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	20	2.62
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	20	2.62
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	17	2.62
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	20	2.62
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	9	2.62
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG21	7	2.61
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG22	7	2.61
(4,121)	1:122:A:PRO:HG3	1:105:A:THR:HG23	7	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	10	2.61
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	10	2.61
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	11	2.61
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	11	2.61
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	11	2.61
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	10	2.61
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	10	2.61
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	14	2.61
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	14	2.61
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG11	17	2.61
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG12	17	2.61
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG13	17	2.61
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	18	2.61
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	18	2.61
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	18	2.61
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	20	2.61
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	13	2.61
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	13	2.61
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	13	2.61
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	14	2.61
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	14	2.61
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	14	2.61
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	12	2.61
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	4	2.61
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	20	2.6
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	8	2.6
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	9	2.6
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	9	2.6
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	9	2.6
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	12	2.6
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	12	2.6
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	12	2.6
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	3	2.6
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	3	2.6
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	3	2.6
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	16	2.6
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	16	2.6
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	16	2.6
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	4	2.6
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	3	2.6
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	3	2.6
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	3	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	12	2.59
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	3	2.59
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	3	2.59
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	20	2.59
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	1	2.59
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	11	2.59
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	3	2.59
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	3	2.59
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	3	2.59
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	2	2.59
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	17	2.59
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	20	2.59
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	20	2.59
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	20	2.59
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	5	2.59
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	5	2.59
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	5	2.59
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	1	2.59
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	19	2.58
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	19	2.58
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	19	2.58
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	13	2.58
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	13	2.58
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	3	2.58
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	6	2.58
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	6	2.58
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	6	2.58
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	14	2.58
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	14	2.58
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	14	2.58
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	17	2.58
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	17	2.58
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	17	2.58
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	20	2.58
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	20	2.58
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	20	2.58
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	9	2.58
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	9	2.58
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	9	2.58
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	15	2.58
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	15	2.58
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	15	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	17	2.58
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	17	2.58
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	17	2.58
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	11	2.58
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	17	2.58
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	2	2.58
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	7	2.57
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	10	2.57
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	10	2.57
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	10	2.57
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	3	2.57
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	3	2.57
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	3	2.57
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	8	2.57
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	8	2.57
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	8	2.57
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	9	2.57
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	20	2.57
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	4	2.56
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	4	2.56
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	4	2.56
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	4	2.56
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	4	2.56
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	4	2.56
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	5	2.56
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	5	2.56
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	5	2.56
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	5	2.56
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	6	2.56
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	6	2.56
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	6	2.56
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	10	2.56
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	10	2.56
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	10	2.56
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	19	2.56
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	12	2.55
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	9	2.55
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	9	2.55
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	8	2.55
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	4	2.55
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	4	2.55
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	4	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2685)	1:102:A:LEU:HB3	1:147:A:VAL:HB	7	2.55
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	7	2.55
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	7	2.55
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	7	2.55
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	12	2.55
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	12	2.55
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	12	2.55
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	18	2.55
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	18	2.55
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	18	2.55
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	9	2.55
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	9	2.55
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	9	2.55
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	6	2.55
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	9	2.54
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	9	2.54
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	9	2.54
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	18	2.54
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	18	2.54
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	18	2.54
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	15	2.54
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	15	2.54
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	15	2.54
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	15	2.54
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	15	2.54
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	15	2.54
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	15	2.54
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	15	2.54
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	15	2.54
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	6	2.54
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	6	2.54
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	6	2.54
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	8	2.54
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	8	2.54
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	8	2.54
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	10	2.54
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	10	2.54
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	10	2.54
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	3	2.54
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	12	2.54
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	20	2.53
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	20	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	20	2.53
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	3	2.53
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	18	2.53
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	18	2.53
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	18	2.53
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	3	2.53
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	3	2.53
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	3	2.53
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	5	2.53
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	5	2.53
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	5	2.53
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	13	2.53
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	13	2.53
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	13	2.53
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	19	2.53
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	19	2.53
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	19	2.53
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	4	2.53
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	8	2.53
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	11	2.53
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	11	2.53
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	11	2.53
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	12	2.53
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	12	2.53
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	12	2.53
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	4	2.52
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	4	2.52
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	4	2.52
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	5	2.52
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	5	2.52
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	5	2.52
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	8	2.52
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	8	2.52
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	8	2.52
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	19	2.52
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	19	2.52
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	19	2.52
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	19	2.52
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	19	2.52
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	19	2.52
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	19	2.52
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	19	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	19	2.52
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	18	2.52
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	18	2.52
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	18	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	2	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	2	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	2	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	4	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	4	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	4	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	15	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	15	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	15	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	20	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	20	2.52
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	20	2.52
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	13	2.52
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	13	2.52
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	13	2.52
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	11	2.51
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	11	2.51
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	12	2.51
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	12	2.51
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	12	2.51
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	3	2.51
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	15	2.51
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	15	2.51
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	15	2.51
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	5	2.51
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	5	2.51
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	5	2.51
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	8	2.5
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	8	2.5
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	18	2.5
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	5	2.5
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	15	2.5
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	15	2.5
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	15	2.5
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	18	2.5
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	11	2.5
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	11	2.5
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	11	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	3	2.5
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	3	2.5
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	3	2.5
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	13	2.5
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	2	2.5
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	10	2.5
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	10	2.5
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	10	2.5
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	1	2.5
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	15	2.5
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	15	2.5
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	15	2.5
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	7	2.5
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	7	2.5
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	7	2.5
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	8	2.5
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	8	2.5
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	8	2.5
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	20	2.5
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	20	2.5
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	20	2.5
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD1	4	2.49
(4,48)	1:37:A:GLY:H	1:48:A:TYR:HD2	4	2.49
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	6	2.49
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	6	2.49
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	6	2.49
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	11	2.49
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	15	2.49
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	15	2.49
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	15	2.49
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	5	2.49
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	5	2.49
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	5	2.49
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	13	2.49
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	13	2.49
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	13	2.49
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	11	2.49
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	11	2.49
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	11	2.49
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	16	2.49
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	16	2.49
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	16	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	16	2.49
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	10	2.49
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	4	2.49
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	4	2.49
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	4	2.49
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	19	2.49
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	19	2.49
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	19	2.49
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	5	2.49
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	15	2.48
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	15	2.48
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	15	2.48
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	19	2.48
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	6	2.48
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	6	2.48
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	7	2.48
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	14	2.48
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	19	2.48
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	19	2.48
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	19	2.48
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	9	2.48
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	9	2.48
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	9	2.48
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	3	2.48
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	6	2.47
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	13	2.47
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	13	2.47
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	13	2.47
(4,28)	1:57:A:TYR:HB3	1:60:A:GLU:H	9	2.47
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	9	2.47
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	6	2.47
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	6	2.47
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	6	2.47
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	3	2.47
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	3	2.47
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	3	2.47
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	3	2.47
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	3	2.47
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	3	2.47
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	3	2.47
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	3	2.47
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	3	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	8	2.47
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	8	2.47
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	8	2.47
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	8	2.47
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	8	2.47
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	8	2.47
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	8	2.47
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	8	2.47
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	8	2.47
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	9	2.47
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	9	2.47
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	11	2.47
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	4	2.47
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	4	2.47
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	4	2.47
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	9	2.47
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	9	2.47
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	9	2.47
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	3	2.47
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	3	2.47
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	3	2.47
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	5	2.47
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	5	2.47
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	5	2.47
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	2	2.47
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	2	2.47
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	2	2.47
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	3	2.46
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	3	2.46
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	3	2.46
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	7	2.46
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	20	2.46
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	20	2.46
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	20	2.46
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	20	2.46
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	20	2.46
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	20	2.46
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	20	2.46
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	20	2.46
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	20	2.46
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	11	2.46
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	11	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	11	2.46
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	1	2.46
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	1	2.46
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	1	2.46
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	10	2.46
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	7	2.46
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	7	2.46
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	7	2.46
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	9	2.46
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	9	2.46
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	9	2.46
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	14	2.46
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	14	2.46
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	14	2.46
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	17	2.46
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	17	2.46
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	17	2.46
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	6	2.46
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	10	2.46
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	10	2.46
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	10	2.46
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	14	2.46
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	14	2.46
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	14	2.46
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	4	2.46
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	2	2.46
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	1	2.45
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	1	2.45
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	1	2.45
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	8	2.45
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	1	2.45
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	1	2.45
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	1	2.45
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	20	2.45
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	20	2.45
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	20	2.45
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	4	2.45
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	4	2.45
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	4	2.45
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	11	2.45
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	11	2.45
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	11	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	2	2.45
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	2	2.45
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	2	2.45
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	10	2.45
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	10	2.45
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	10	2.45
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	11	2.45
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	15	2.45
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	15	2.45
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	15	2.45
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	18	2.45
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	18	2.45
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	18	2.45
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	3	2.45
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	7	2.45
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	4	2.44
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	4	2.44
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	4	2.44
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	8	2.44
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	12	2.44
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	12	2.44
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	12	2.44
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	6	2.44
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	6	2.44
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	6	2.44
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	12	2.44
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	12	2.44
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	12	2.44
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	15	2.44
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	15	2.44
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	15	2.44
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	16	2.44
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	16	2.44
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	16	2.44
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	20	2.44
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	14	2.44
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	14	2.44
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	14	2.44
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	14	2.44
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	18	2.44
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	1	2.44
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	1	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	1	2.44
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	6	2.44
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	6	2.44
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	6	2.44
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	15	2.44
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	15	2.44
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	15	2.44
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	8	2.44
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	15	2.43
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD11	6	2.43
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD12	6	2.43
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD13	6	2.43
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	15	2.43
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	15	2.43
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	15	2.43
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	16	2.43
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	16	2.43
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	16	2.43
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	17	2.43
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	1	2.43
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	2	2.43
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	8	2.43
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	8	2.43
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	8	2.43
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	18	2.43
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	16	2.42
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	12	2.42
(2,2507)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	6	2.42
(2,2507)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	6	2.42
(2,2507)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	6	2.42
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	2	2.42
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	8	2.42
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	3	2.42
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	20	2.42
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	20	2.42
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	20	2.42
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	14	2.42
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	16	2.42
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	14	2.42
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	14	2.42
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	14	2.42
(2,429)	1:67:A:VAL:HG21	1:165:A:VAL:H	3	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,429)	1:67:A:VAL:HG22	1:165:A:VAL:H	3	2.42
(2,429)	1:67:A:VAL:HG23	1:165:A:VAL:H	3	2.42
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	14	2.42
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	2	2.41
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	9	2.41
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	13	2.41
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	1	2.41
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	16	2.41
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	15	2.41
(4,61)	1:67:A:VAL:HA	1:26:A:ARG:HB3	8	2.4
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	1	2.4
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	20	2.4
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	20	2.4
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	20	2.4
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	2	2.4
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	2	2.4
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	2	2.4
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	4	2.4
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	4	2.4
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	4	2.4
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	11	2.4
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	11	2.4
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	11	2.4
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	1	2.4
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	1	2.4
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	1	2.4
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	2	2.4
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	2	2.4
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	2	2.4
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	11	2.4
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	10	2.4
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	19	2.4
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	7	2.4
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	7	2.4
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	7	2.4
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	10	2.4
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	10	2.4
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	10	2.4
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	7	2.4
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	3	2.39
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	18	2.39
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	16	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	16	2.39
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	16	2.39
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	16	2.39
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	16	2.39
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	16	2.39
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	16	2.39
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	16	2.39
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	16	2.39
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	12	2.39
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	12	2.39
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	12	2.39
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	4	2.39
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	4	2.39
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	4	2.39
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	4	2.39
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	4	2.39
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	4	2.39
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	4	2.39
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	4	2.39
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	4	2.39
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	20	2.39
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	20	2.39
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	20	2.39
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	2	2.39
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	12	2.39
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	19	2.39
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	19	2.39
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	19	2.39
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	1	2.39
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	1	2.39
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	1	2.39
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	9	2.39
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	9	2.39
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	9	2.39
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	16	2.39
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	16	2.39
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	16	2.39
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	17	2.39
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	7	2.38
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	1	2.38
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	12	2.38
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	17	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	17	2.38
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	17	2.38
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	17	2.38
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	17	2.38
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	17	2.38
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	17	2.38
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	17	2.38
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	17	2.38
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	9	2.38
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	9	2.38
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	9	2.38
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	18	2.38
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	8	2.38
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	7	2.38
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	8	2.38
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	1	2.38
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	5	2.38
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	7	2.38
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	9	2.38
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	3	2.38
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	10	2.38
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	4	2.38
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	3	2.38
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	3	2.38
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	3	2.38
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	9	2.37
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	9	2.37
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	9	2.37
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	4	2.37
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	4	2.37
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	4	2.37
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	15	2.37
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	15	2.37
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	15	2.37
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	2	2.37
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	18	2.37
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	18	2.37
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	18	2.37
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	10	2.37
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	10	2.37
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	10	2.37
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	15	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	20	2.37
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	20	2.37
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	20	2.37
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	17	2.37
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	17	2.37
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	17	2.37
(4,35)	1:29:A:TYR:HD1	1:54:A:ILE:H	16	2.36
(4,35)	1:29:A:TYR:HD2	1:54:A:ILE:H	16	2.36
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	7	2.36
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	15	2.36
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	2	2.36
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	2	2.36
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	2	2.36
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	5	2.36
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	5	2.36
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	5	2.36
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	8	2.36
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	16	2.36
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	16	2.36
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	16	2.36
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	2	2.36
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	2	2.36
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	2	2.36
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	14	2.36
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	14	2.36
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	14	2.36
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	4	2.36
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	4	2.36
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	4	2.36
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	4	2.36
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	4	2.36
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	4	2.36
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	6	2.36
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	6	2.36
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	6	2.36
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	16	2.36
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	1	2.35
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	1	2.35
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	1	2.35
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	1	2.35
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	1	2.35
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	1	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	3	2.35
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	13	2.35
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	2	2.35
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	2	2.35
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	2	2.35
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	18	2.35
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	18	2.35
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	18	2.35
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	6	2.35
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	6	2.35
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	6	2.35
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	6	2.35
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	10	2.35
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	16	2.35
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	7	2.35
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	7	2.35
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	7	2.35
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	20	2.35
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	20	2.35
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	20	2.35
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	4	2.35
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	4	2.35
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	4	2.35
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	6	2.35
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	11	2.35
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	11	2.35
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	11	2.35
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	6	2.35
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	13	2.35
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	13	2.35
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	13	2.35
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	16	2.35
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	16	2.35
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	16	2.35
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	17	2.35
(2,3441)	1:123:A:VAL:HG21	1:137:A:ILE:HG12	19	2.34
(2,3441)	1:123:A:VAL:HG22	1:137:A:ILE:HG12	19	2.34
(2,3441)	1:123:A:VAL:HG23	1:137:A:ILE:HG12	19	2.34
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	18	2.34
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	18	2.34
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	18	2.34
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	18	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	18	2.34
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	18	2.34
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	18	2.34
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	18	2.34
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	18	2.34
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	14	2.34
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	14	2.34
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	14	2.34
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	4	2.34
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	17	2.34
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	17	2.34
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	17	2.34
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	5	2.34
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	7	2.33
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	7	2.33
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	7	2.33
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	16	2.33
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	16	2.33
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	16	2.33
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	16	2.33
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	16	2.33
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	16	2.33
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	16	2.33
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	16	2.33
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	16	2.33
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	6	2.33
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	6	2.33
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	6	2.33
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	7	2.33
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	7	2.33
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	7	2.33
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	9	2.33
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	9	2.33
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	9	2.33
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	19	2.33
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	19	2.33
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	19	2.33
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	17	2.33
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	17	2.33
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	17	2.33
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	4	2.33
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	13	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	4	2.32
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	8	2.32
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	8	2.32
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	8	2.32
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	19	2.32
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	19	2.32
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	19	2.32
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	12	2.32
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	12	2.32
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	12	2.32
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	11	2.32
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	11	2.32
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	11	2.32
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	15	2.32
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	15	2.32
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	15	2.32
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	15	2.32
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	15	2.32
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	15	2.32
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	15	2.32
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	15	2.32
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	15	2.32
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	7	2.32
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	7	2.32
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	7	2.32
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	12	2.32
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	12	2.32
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	12	2.32
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	5	2.32
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	5	2.32
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	5	2.32
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	5	2.32
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	8	2.32
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	8	2.32
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	8	2.32
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	17	2.32
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	17	2.32
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	17	2.32
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	15	2.32
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	15	2.32
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	15	2.32
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	10	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	11	2.32
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	11	2.32
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	14	2.31
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	14	2.31
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	10	2.31
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	13	2.31
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	7	2.31
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	19	2.31
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	19	2.31
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	19	2.31
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	17	2.31
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	17	2.31
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	17	2.31
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	13	2.31
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	1	2.31
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	1	2.31
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	1	2.31
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	11	2.31
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	6	2.31
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	6	2.31
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	6	2.31
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	19	2.31
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	19	2.31
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	19	2.31
(4,87)	1:65:A:ALA:HA	1:162:A:ARG:HD3	9	2.3
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	3	2.3
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	3	2.3
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	3	2.3
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	3	2.3
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	4	2.3
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	16	2.3
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	19	2.3
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	5	2.3
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	5	2.3
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	5	2.3
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	5	2.3
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	5	2.3
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	5	2.3
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	5	2.3
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	5	2.3
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	5	2.3
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	19	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	14	2.3
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	18	2.3
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	12	2.3
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	12	2.3
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	12	2.3
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	6	2.3
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	6	2.3
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	6	2.3
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	3	2.3
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	19	2.3
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	13	2.3
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	14	2.29
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	14	2.29
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	8	2.29
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	17	2.29
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	17	2.29
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	17	2.29
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	3	2.29
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	3	2.29
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	3	2.29
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	1	2.29
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	1	2.29
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	1	2.29
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	14	2.29
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	14	2.29
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	14	2.29
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	14	2.29
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	14	2.29
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	14	2.29
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	14	2.29
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	14	2.29
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	14	2.29
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	17	2.29
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	17	2.29
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	17	2.29
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	17	2.29
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	17	2.29
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	17	2.29
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	17	2.29
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	17	2.29
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	17	2.29
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	13	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	13	2.29
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	13	2.29
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	19	2.29
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	9	2.29
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	9	2.29
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	9	2.29
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	12	2.29
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	12	2.29
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	12	2.29
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	8	2.29
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	17	2.29
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	12	2.29
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	12	2.29
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	12	2.29
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	6	2.28
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	8	2.28
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	19	2.28
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	19	2.28
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	19	2.28
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	4	2.28
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	4	2.28
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	4	2.28
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	10	2.28
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	10	2.28
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	10	2.28
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	10	2.28
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	10	2.28
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	10	2.28
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	10	2.28
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	10	2.28
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	10	2.28
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	14	2.28
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	14	2.28
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	14	2.28
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	17	2.28
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	17	2.28
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	17	2.28
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	14	2.28
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	14	2.28
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	14	2.28
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	9	2.28
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	1	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	1	2.28
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	1	2.28
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	16	2.28
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	16	2.28
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	16	2.28
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	20	2.28
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	20	2.28
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	20	2.28
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	6	2.28
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	6	2.27
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	7	2.27
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	17	2.27
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	11	2.27
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	11	2.27
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	1	2.27
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	1	2.27
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	1	2.27
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	1	2.27
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	1	2.27
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	1	2.27
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	1	2.27
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	1	2.27
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	1	2.27
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	6	2.27
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	6	2.27
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	6	2.27
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	6	2.27
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	6	2.27
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	6	2.27
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	6	2.27
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	6	2.27
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	6	2.27
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	3	2.27
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	6	2.27
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	2	2.27
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	5	2.27
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	5	2.27
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	5	2.27
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	13	2.27
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	13	2.27
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	13	2.27
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	11	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,429)	1:67:A:VAL:HG21	1:165:A:VAL:H	1	2.27
(2,429)	1:67:A:VAL:HG22	1:165:A:VAL:H	1	2.27
(2,429)	1:67:A:VAL:HG23	1:165:A:VAL:H	1	2.27
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	5	2.26
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	12	2.26
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	1	2.26
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	15	2.26
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	3	2.26
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	9	2.26
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	9	2.26
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	9	2.26
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	19	2.26
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	19	2.26
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	19	2.26
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	19	2.26
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	19	2.26
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	19	2.26
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	19	2.26
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	19	2.26
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	19	2.26
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	5	2.26
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	6	2.26
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	4	2.26
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	12	2.26
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	12	2.26
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	12	2.26
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	4	2.26
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	4	2.26
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	4	2.26
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	2	2.26
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	2	2.26
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	2	2.26
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	1	2.25
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	1	2.25
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	1	2.25
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	1	2.25
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	12	2.25
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	17	2.25
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	11	2.25
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	16	2.25
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	13	2.25
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	13	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	13	2.25
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	13	2.25
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	13	2.25
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	13	2.25
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	13	2.25
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	13	2.25
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	13	2.25
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	5	2.25
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	5	2.25
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	5	2.25
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	8	2.25
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	8	2.25
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	8	2.25
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	16	2.25
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	16	2.25
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	16	2.25
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	19	2.25
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	19	2.25
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	19	2.25
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	19	2.25
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	19	2.25
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	19	2.25
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	19	2.25
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	19	2.25
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	19	2.25
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	5	2.25
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	5	2.25
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	5	2.25
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	5	2.25
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	5	2.25
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	5	2.25
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	5	2.25
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	5	2.25
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	5	2.25
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	15	2.25
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	15	2.25
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	15	2.25
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	15	2.25
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	15	2.25
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	15	2.25
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	15	2.25
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	15	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	15	2.25
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	20	2.25
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	20	2.25
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	20	2.25
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	20	2.25
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	20	2.25
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	20	2.25
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	20	2.25
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	20	2.25
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	20	2.25
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	11	2.25
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	17	2.25
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	5	2.25
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	5	2.25
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	5	2.25
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	14	2.25
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	14	2.25
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	14	2.25
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	2	2.25
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	2	2.25
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	2	2.25
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	2	2.25
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	15	2.25
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	18	2.25
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	18	2.25
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	18	2.25
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	7	2.25
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	7	2.25
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	7	2.25
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	8	2.25
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	8	2.25
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	8	2.25
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	19	2.25
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	19	2.25
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	19	2.25
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	9	2.25
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	9	2.25
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	9	2.25
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	4	2.25
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	6	2.25
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	6	2.25
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	6	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	14	2.25
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	14	2.25
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	14	2.25
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	19	2.25
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	19	2.25
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	19	2.25
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	3	2.25
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	12	2.24
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	18	2.24
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	18	2.24
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	18	2.24
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	4	2.24
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	4	2.24
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	4	2.24
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	5	2.24
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	5	2.24
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	5	2.24
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	9	2.24
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	9	2.24
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	9	2.24
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	13	2.24
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	13	2.24
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	13	2.24
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	3	2.24
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	3	2.24
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	3	2.24
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	3	2.24
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	3	2.24
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	3	2.24
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	3	2.24
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	3	2.24
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	3	2.24
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	11	2.24
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	11	2.24
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	11	2.24
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	11	2.24
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	11	2.24
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	11	2.24
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	11	2.24
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	11	2.24
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	11	2.24
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	3	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	3	2.24
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	3	2.24
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	1	2.24
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	19	2.24
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	16	2.24
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	5	2.24
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	5	2.24
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	5	2.24
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	10	2.24
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	10	2.24
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	10	2.24
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	12	2.24
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	9	2.23
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	14	2.23
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	6	2.23
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	6	2.23
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	6	2.23
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	6	2.23
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	6	2.23
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	6	2.23
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	6	2.23
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	6	2.23
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	6	2.23
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	4	2.23
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	4	2.23
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	4	2.23
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	6	2.23
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	6	2.23
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	6	2.23
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	6	2.23
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	6	2.23
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	6	2.23
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	6	2.23
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	6	2.23
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	6	2.23
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	7	2.23
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	7	2.23
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	7	2.23
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	7	2.23
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	7	2.23
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	7	2.23
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	7	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	7	2.23
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	7	2.23
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	2	2.23
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	2	2.23
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	2	2.23
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	2	2.23
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	2	2.23
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	2	2.23
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	2	2.23
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	2	2.23
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	2	2.23
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	13	2.23
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	13	2.23
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	13	2.23
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	13	2.23
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	13	2.23
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	13	2.23
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	13	2.23
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	13	2.23
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	13	2.23
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	11	2.23
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	12	2.23
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	11	2.23
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	5	2.23
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	5	2.23
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	5	2.23
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	5	2.23
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	5	2.23
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	5	2.23
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	5	2.23
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	6	2.23
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	17	2.23
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	4	2.22
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	11	2.22
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	7	2.22
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	7	2.22
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	20	2.22
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	20	2.22
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	20	2.22
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	16	2.22
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	16	2.22
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	16	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	16	2.22
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	16	2.22
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	16	2.22
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	16	2.22
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	16	2.22
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	16	2.22
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	10	2.22
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	10	2.22
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	10	2.22
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	7	2.22
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	7	2.22
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	7	2.22
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	19	2.22
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	19	2.22
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	19	2.22
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	7	2.22
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	9	2.22
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	15	2.22
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	4	2.22
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	4	2.22
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	4	2.22
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	5	2.22
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	5	2.22
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	5	2.22
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	2	2.22
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	2	2.22
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	2	2.22
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	6	2.22
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	3	2.22
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	3	2.22
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	3	2.22
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	1	2.22
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	3	2.22
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	9	2.22
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	9	2.22
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	9	2.22
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	2	2.21
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	2	2.21
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	2	2.21
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	10	2.21
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	10	2.21
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	10	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	5	2.21
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	5	2.21
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	5	2.21
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	10	2.21
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	3	2.21
(2,2116)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	2	2.21
(2,2116)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	2	2.21
(2,2116)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	2	2.21
(2,2116)	1:67:A:VAL:HG11	1:64:A:GLY:HA2	2	2.21
(2,2116)	1:67:A:VAL:HG12	1:64:A:GLY:HA2	2	2.21
(2,2116)	1:67:A:VAL:HG13	1:64:A:GLY:HA2	2	2.21
(2,2116)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	2	2.21
(2,2116)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	2	2.21
(2,2116)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	2	2.21
(2,2116)	1:67:A:VAL:HG11	1:64:A:GLY:HA3	2	2.21
(2,2116)	1:67:A:VAL:HG12	1:64:A:GLY:HA3	2	2.21
(2,2116)	1:67:A:VAL:HG13	1:64:A:GLY:HA3	2	2.21
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	14	2.21
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	14	2.21
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	14	2.21
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	20	2.21
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	16	2.21
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	16	2.21
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	16	2.21
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	16	2.21
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	1	2.21
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	1	2.21
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	1	2.21
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	15	2.2
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	3	2.2
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	10	2.2
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	15	2.2
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	15	2.2
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	15	2.2
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	15	2.2
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	15	2.2
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	15	2.2
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	15	2.2
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	15	2.2
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	15	2.2
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	7	2.2
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	7	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	7	2.2
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	15	2.2
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	15	2.2
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	15	2.2
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	18	2.2
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	18	2.2
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	18	2.2
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	1	2.2
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	15	2.2
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	15	2.2
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	15	2.2
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	1	2.2
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	12	2.2
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	11	2.2
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	11	2.2
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	11	2.2
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	3	2.2
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	17	2.2
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	17	2.2
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	17	2.2
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	2	2.2
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	2	2.2
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	2	2.2
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	10	2.2
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	10	2.2
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	10	2.2
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	1	2.2
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	1	2.2
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	1	2.2
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	14	2.2
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	20	2.19
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	15	2.19
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	7	2.19
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	7	2.19
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	7	2.19
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	12	2.19
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	12	2.19
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	12	2.19
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	4	2.19
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	4	2.19
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	4	2.19
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	4	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	4	2.19
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	4	2.19
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	4	2.19
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	4	2.19
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	4	2.19
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	2	2.19
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	2	2.19
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	2	2.19
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	12	2.19
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	12	2.19
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	12	2.19
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	7	2.19
(2,2685)	1:102:A:LEU:HB3	1:147:A:VAL:HB	14	2.19
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	5	2.19
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	1	2.19
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	1	2.19
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	1	2.19
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	13	2.19
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	13	2.19
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	13	2.19
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	17	2.19
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	17	2.19
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	17	2.19
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	15	2.19
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	19	2.19
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	1	2.19
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	8	2.19
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	15	2.19
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	15	2.19
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	15	2.19
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	15	2.19
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	18	2.18
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	5	2.18
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	5	2.18
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	17	2.18
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	1	2.18
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	1	2.18
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	1	2.18
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	1	2.18
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	1	2.18
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	1	2.18
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	1	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	1	2.18
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	1	2.18
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	8	2.18
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	8	2.18
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	8	2.18
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	15	2.18
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	15	2.18
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	15	2.18
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	17	2.18
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	17	2.18
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	17	2.18
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	11	2.18
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	11	2.18
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	11	2.18
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	8	2.18
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	8	2.18
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	8	2.18
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	8	2.18
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	8	2.18
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	8	2.18
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	8	2.18
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	8	2.18
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	8	2.18
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	15	2.18
(2,1970)	1:113:A:VAL:HG21	1:121:A:ASP:HA	10	2.18
(2,1970)	1:113:A:VAL:HG22	1:121:A:ASP:HA	10	2.18
(2,1970)	1:113:A:VAL:HG23	1:121:A:ASP:HA	10	2.18
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	13	2.18
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	13	2.18
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	13	2.18
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	16	2.18
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	20	2.18
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	20	2.18
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	20	2.18
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	6	2.18
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	2	2.17
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	11	2.17
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	11	2.17
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	11	2.17
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	11	2.17
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	11	2.17
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	11	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	11	2.17
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	11	2.17
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	11	2.17
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	16	2.17
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	16	2.17
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	16	2.17
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	9	2.17
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	9	2.17
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	9	2.17
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	9	2.17
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	9	2.17
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	9	2.17
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	9	2.17
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	9	2.17
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	9	2.17
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	6	2.17
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	15	2.17
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	15	2.17
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	15	2.17
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	7	2.17
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	2	2.17
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	2	2.17
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	2	2.17
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	7	2.17
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	7	2.17
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	7	2.17
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	10	2.17
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	10	2.17
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	10	2.17
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	15	2.17
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	8	2.17
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	18	2.17
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	18	2.17
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	18	2.17
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	16	2.17
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD2	9	2.16
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD2	9	2.16
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD2	9	2.16
(4,137)	1:62:A:ALA:HB1	1:162:A:ARG:HD3	9	2.16
(4,137)	1:62:A:ALA:HB2	1:162:A:ARG:HD3	9	2.16
(4,137)	1:62:A:ALA:HB3	1:162:A:ARG:HD3	9	2.16
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	8	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	5	2.16
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	5	2.16
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	5	2.16
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	3	2.16
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	3	2.16
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	3	2.16
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	3	2.16
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	3	2.16
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	13	2.16
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	16	2.16
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	18	2.16
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	6	2.16
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	6	2.16
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	6	2.16
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	8	2.16
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	16	2.16
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	16	2.16
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	16	2.16
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	8	2.16
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	8	2.16
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	8	2.16
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	6	2.16
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	6	2.16
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	6	2.16
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	18	2.16
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	12	2.16
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	12	2.16
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	12	2.16
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	20	2.15
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	20	2.15
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	11	2.15
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	19	2.15
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	6	2.15
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	9	2.15
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	7	2.15
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	7	2.15
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	7	2.15
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	7	2.15
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	7	2.15
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	7	2.15
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	7	2.15
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	7	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	7	2.15
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	7	2.15
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	7	2.15
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	7	2.15
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	7	2.15
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	7	2.15
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	7	2.15
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	7	2.15
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	7	2.15
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	7	2.15
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	8	2.15
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	8	2.15
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	8	2.15
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	8	2.15
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	8	2.15
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	8	2.15
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	8	2.15
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	8	2.15
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	8	2.15
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	16	2.15
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	16	2.15
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	16	2.15
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	18	2.15
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	18	2.15
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	18	2.15
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	10	2.15
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	14	2.15
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	14	2.15
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	14	2.15
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	2	2.15
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	14	2.15
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	2	2.15
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	6	2.15
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	20	2.15
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	20	2.15
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	20	2.15
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	1	2.15
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	1	2.15
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	1	2.15
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	9	2.15
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	9	2.15
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	9	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	19	2.15
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	19	2.15
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	19	2.15
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	10	2.15
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	4	2.15
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	1	2.15
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	5	2.14
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	16	2.14
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	4	2.14
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	4	2.14
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	4	2.14
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	8	2.14
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	8	2.14
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	8	2.14
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	4	2.14
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	4	2.14
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	4	2.14
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	11	2.14
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	11	2.14
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	11	2.14
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	1	2.14
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	1	2.14
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	1	2.14
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	1	2.14
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	1	2.14
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	1	2.14
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	1	2.14
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	1	2.14
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	1	2.14
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	16	2.14
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	16	2.14
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	16	2.14
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	16	2.14
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	16	2.14
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	16	2.14
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	16	2.14
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	16	2.14
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	16	2.14
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	18	2.14
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	18	2.14
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	18	2.14
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	16	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	16	2.14
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	13	2.14
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	6	2.14
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	14	2.14
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	14	2.14
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	4	2.14
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	4	2.14
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	4	2.14
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	15	2.14
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	18	2.14
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	18	2.14
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	18	2.14
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	18	2.14
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	2	2.14
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	3	2.14
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	10	2.14
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	10	2.14
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	10	2.14
(2,429)	1:67:A:VAL:HG21	1:165:A:VAL:H	8	2.14
(2,429)	1:67:A:VAL:HG22	1:165:A:VAL:H	8	2.14
(2,429)	1:67:A:VAL:HG23	1:165:A:VAL:H	8	2.14
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	2	2.14
(2,225)	1:137:A:ILE:H	1:138:A:LEU:HD11	4	2.14
(2,225)	1:137:A:ILE:H	1:138:A:LEU:HD12	4	2.14
(2,225)	1:137:A:ILE:H	1:138:A:LEU:HD13	4	2.14
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	20	2.13
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	15	2.13
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	20	2.13
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	5	2.13
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	5	2.13
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	5	2.13
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	4	2.13
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	4	2.13
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	4	2.13
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	4	2.13
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	4	2.13
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	4	2.13
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	4	2.13
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	4	2.13
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	4	2.13
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	5	2.13
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	5	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	5	2.13
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	5	2.13
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	5	2.13
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	5	2.13
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	5	2.13
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	5	2.13
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	5	2.13
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	4	2.13
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	4	2.13
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	4	2.13
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	14	2.13
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	14	2.13
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	14	2.13
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	3	2.13
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	3	2.13
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	3	2.13
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	3	2.13
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	3	2.13
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	3	2.13
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	3	2.13
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	3	2.13
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	3	2.13
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	12	2.13
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	12	2.13
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	12	2.13
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	12	2.13
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	12	2.13
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	12	2.13
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	12	2.13
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	12	2.13
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	12	2.13
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	9	2.13
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	16	2.13
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	15	2.13
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	7	2.13
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	16	2.13
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	16	2.13
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	16	2.13
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	4	2.13
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	5	2.13
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	18	2.13
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	18	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	18	2.13
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	14	2.13
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	14	2.13
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	14	2.13
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	18	2.13
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	11	2.13
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	11	2.13
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	11	2.13
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	11	2.13
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	14	2.13
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	9	2.12
(3,107)	1:27:A:ILE:HA	1:26:A:ARG:HG2	6	2.12
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	3	2.12
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	5	2.12
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	16	2.12
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	16	2.12
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	16	2.12
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	16	2.12
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	16	2.12
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	16	2.12
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	16	2.12
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	16	2.12
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	16	2.12
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	19	2.12
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	19	2.12
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	19	2.12
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	19	2.12
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	19	2.12
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	19	2.12
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	19	2.12
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	19	2.12
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	19	2.12
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	6	2.12
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	6	2.12
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	6	2.12
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	20	2.12
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	20	2.12
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	20	2.12
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	14	2.12
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	14	2.12
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	14	2.12
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	14	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	14	2.12
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	14	2.12
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	14	2.12
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	14	2.12
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	14	2.12
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	7	2.12
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	7	2.12
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	7	2.12
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	7	2.12
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	7	2.12
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	7	2.12
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	7	2.12
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	7	2.12
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	7	2.12
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	5	2.12
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	5	2.12
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	5	2.12
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	17	2.12
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	17	2.12
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	19	2.12
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	4	2.12
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	4	2.12
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	4	2.12
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	10	2.12
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	5	2.12
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	5	2.12
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	5	2.12
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	19	2.12
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	19	2.12
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	19	2.12
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	18	2.12
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	1	2.12
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	1	2.12
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	1	2.12
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	11	2.11
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	11	2.11
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	10	2.11
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	10	2.11
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	10	2.11
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	11	2.11
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	11	2.11
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	11	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	11	2.11
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	11	2.11
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	11	2.11
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	11	2.11
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	11	2.11
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	11	2.11
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	2	2.11
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	2	2.11
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	2	2.11
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	14	2.11
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	7	2.11
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	9	2.11
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	9	2.11
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	9	2.11
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	12	2.11
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	12	2.11
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	12	2.11
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	16	2.11
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	8	2.11
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	16	2.11
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	15	2.1
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	15	2.1
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	10	2.1
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	13	2.1
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	19	2.1
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	2	2.1
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	2	2.1
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	2	2.1
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	2	2.1
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	2	2.1
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	2	2.1
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	2	2.1
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	2	2.1
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	2	2.1
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	19	2.1
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	19	2.1
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	19	2.1
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	3	2.1
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	16	2.1
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	16	2.1
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	16	2.1
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	9	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	16	2.1
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	16	2.1
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	16	2.1
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	19	2.1
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	2	2.1
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	2	2.1
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	4	2.1
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	8	2.1
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	8	2.1
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	8	2.1
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	13	2.1
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	13	2.1
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	13	2.1
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	20	2.1
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	18	2.1
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	6	2.1
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	5	2.1
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	16	2.1
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	16	2.1
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	16	2.1
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	13	2.1
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	12	2.1
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	13	2.1
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	16	2.1
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	6	2.09
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	18	2.09
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	1	2.09
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	1	2.09
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	1	2.09
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	4	2.09
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	4	2.09
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	4	2.09
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	8	2.09
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	11	2.09
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	11	2.09
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	11	2.09
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	11	2.09
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	11	2.09
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	11	2.09
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	11	2.09
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	11	2.09
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	11	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	1	2.09
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	1	2.09
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	1	2.09
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	17	2.09
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	17	2.09
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	17	2.09
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	16	2.09
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	16	2.09
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	6	2.09
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	6	2.09
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	6	2.09
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	4	2.09
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	12	2.09
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	8	2.09
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	4	2.09
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	4	2.09
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	3	2.09
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	16	2.09
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	5	2.09
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	8	2.09
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	3	2.09
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	7	2.09
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	8	2.08
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	8	2.08
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	8	2.08
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	5	2.08
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	14	2.08
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	18	2.08
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	18	2.08
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	18	2.08
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	20	2.08
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	8	2.08
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	8	2.08
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	8	2.08
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	8	2.08
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	8	2.08
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	8	2.08
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	8	2.08
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	8	2.08
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	8	2.08
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	8	2.08
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	8	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	8	2.08
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	1	2.08
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	1	2.08
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	1	2.08
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	1	2.08
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	1	2.08
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	1	2.08
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	1	2.08
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	1	2.08
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	1	2.08
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	6	2.08
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	6	2.08
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	6	2.08
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	8	2.08
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	8	2.08
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	8	2.08
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	11	2.08
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	11	2.08
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	11	2.08
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	3	2.08
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	20	2.08
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	20	2.08
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	20	2.08
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	16	2.08
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	2	2.08
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	2	2.08
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	2	2.08
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	15	2.08
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	15	2.08
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	15	2.08
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	19	2.08
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	19	2.08
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	19	2.08
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	11	2.08
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	7	2.08
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	7	2.08
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	7	2.08
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	2	2.08
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	1	2.07
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	1	2.07
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	10	2.07
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	7	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	7	2.07
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	7	2.07
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	14	2.07
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	14	2.07
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	14	2.07
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	20	2.07
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	20	2.07
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	20	2.07
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	4	2.07
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	4	2.07
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	4	2.07
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	4	2.07
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	4	2.07
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	4	2.07
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	4	2.07
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	4	2.07
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	4	2.07
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	11	2.07
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	11	2.07
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	11	2.07
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	6	2.07
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	9	2.07
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	13	2.07
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	13	2.07
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	13	2.07
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	11	2.07
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	11	2.07
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	11	2.07
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	14	2.07
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	14	2.07
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	14	2.07
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	3	2.07
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	20	2.07
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	12	2.07
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	12	2.07
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	12	2.07
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	15	2.07
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	15	2.07
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	15	2.07
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	20	2.07
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	12	2.06
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	11	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	14	2.06
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	1	2.06
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	1	2.06
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	1	2.06
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	2	2.06
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	10	2.06
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	18	2.06
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	13	2.06
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	13	2.06
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	13	2.06
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	3	2.06
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	3	2.06
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	3	2.06
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	17	2.06
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	18	2.05
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	8	2.05
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	10	2.05
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	2	2.05
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	4	2.05
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	15	2.05
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	17	2.05
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	7	2.05
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	12	2.05
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	12	2.05
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	12	2.05
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	18	2.05
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	18	2.05
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	18	2.05
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	18	2.05
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	18	2.05
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	18	2.05
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	18	2.05
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	18	2.05
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	18	2.05
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	10	2.05
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	10	2.05
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	10	2.05
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	7	2.05
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	17	2.05
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	17	2.05
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	17	2.05
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	17	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	8	2.05
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	8	2.05
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	8	2.05
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	8	2.05
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	7	2.05
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	7	2.05
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	7	2.05
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	11	2.05
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	1	2.05
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	12	2.05
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	12	2.05
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	12	2.05
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	19	2.05
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	19	2.05
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	19	2.05
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	6	2.05
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	10	2.05
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	16	2.04
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	1	2.04
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	3	2.04
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	3	2.04
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	3	2.04
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	14	2.04
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	14	2.04
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	14	2.04
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	14	2.04
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	14	2.04
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	14	2.04
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	14	2.04
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	14	2.04
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	14	2.04
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	18	2.04
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	18	2.04
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	18	2.04
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	1	2.04
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	1	2.04
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	1	2.04
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	1	2.04
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	9	2.04
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	9	2.04
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	9	2.04
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	4	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	4	2.04
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	4	2.04
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	4	2.04
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	10	2.04
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	19	2.04
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	19	2.04
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	19	2.04
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	8	2.04
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	8	2.04
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	8	2.04
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	8	2.04
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	8	2.04
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	8	2.04
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	17	2.04
(4,114)	1:34:A:MET:HA	1:36:A:PRO:HB3	3	2.03
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	10	2.03
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	10	2.03
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	3	2.03
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	7	2.03
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	13	2.03
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	9	2.03
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	8	2.03
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	16	2.03
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	2	2.03
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	2	2.03
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	2	2.03
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	3	2.03
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	3	2.03
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	3	2.03
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	16	2.03
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	16	2.03
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	16	2.03
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	7	2.03
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	14	2.03
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	10	2.03
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	5	2.03
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	5	2.03
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	5	2.03
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	19	2.03
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	1	2.02
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	6	2.02
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	13	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	13	2.02
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	2	2.02
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	2	2.02
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	2	2.02
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	2	2.02
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	2	2.02
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	2	2.02
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	2	2.02
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	2	2.02
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	2	2.02
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	11	2.02
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	11	2.02
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	11	2.02
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	11	2.02
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	11	2.02
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	11	2.02
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	11	2.02
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	11	2.02
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	11	2.02
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	17	2.02
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	17	2.02
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	17	2.02
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	20	2.02
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	20	2.02
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	20	2.02
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	5	2.02
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	1	2.02
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	3	2.02
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	3	2.02
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	3	2.02
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	12	2.02
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	12	2.02
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	12	2.02
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	5	2.02
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	16	2.02
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	4	2.02
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	4	2.02
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	4	2.02
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	9	2.02
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	9	2.02
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	9	2.02
(2,147)	1:86:A:LEU:HD21	1:93:A:GLU:H	6	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,147)	1:86:A:LEU:HD22	1:93:A:GLU:H	6	2.02
(2,147)	1:86:A:LEU:HD23	1:93:A:GLU:H	6	2.02
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	14	2.01
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	11	2.01
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	12	2.01
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	18	2.01
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	4	2.01
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	12	2.01
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	18	2.01
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	18	2.01
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	18	2.01
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	15	2.01
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	2	2.01
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	2	2.01
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	2	2.01
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	12	2.01
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	2	2.01
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	19	2.01
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	5	2.01
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	5	2.01
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	5	2.01
(2,1058)	1:84:A:VAL:HG11	1:147:A:VAL:H	20	2.01
(2,1058)	1:84:A:VAL:HG12	1:147:A:VAL:H	20	2.01
(2,1058)	1:84:A:VAL:HG13	1:147:A:VAL:H	20	2.01
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	15	2.01
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	15	2.01
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	15	2.01
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	7	2.01
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	4	2.0
(4,45)	1:86:A:LEU:HD11	1:90:A:GLY:H	5	2.0
(4,45)	1:86:A:LEU:HD12	1:90:A:GLY:H	5	2.0
(4,45)	1:86:A:LEU:HD13	1:90:A:GLY:H	5	2.0
(4,45)	1:86:A:LEU:HD21	1:90:A:GLY:H	5	2.0
(4,45)	1:86:A:LEU:HD22	1:90:A:GLY:H	5	2.0
(4,45)	1:86:A:LEU:HD23	1:90:A:GLY:H	5	2.0
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	1	2.0
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	4	2.0
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	8	2.0
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	19	2.0
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	19	2.0
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	19	2.0
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	2	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	2	2.0
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	2	2.0
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	13	2.0
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	13	2.0
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	13	2.0
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	9	2.0
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	9	2.0
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	9	2.0
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	9	2.0
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	9	2.0
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	9	2.0
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	9	2.0
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	9	2.0
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	9	2.0
(2,3232)	1:86:A:LEU:HD11	1:84:A:VAL:HG21	6	2.0
(2,3232)	1:86:A:LEU:HD11	1:84:A:VAL:HG22	6	2.0
(2,3232)	1:86:A:LEU:HD11	1:84:A:VAL:HG23	6	2.0
(2,3232)	1:86:A:LEU:HD12	1:84:A:VAL:HG21	6	2.0
(2,3232)	1:86:A:LEU:HD12	1:84:A:VAL:HG22	6	2.0
(2,3232)	1:86:A:LEU:HD12	1:84:A:VAL:HG23	6	2.0
(2,3232)	1:86:A:LEU:HD13	1:84:A:VAL:HG21	6	2.0
(2,3232)	1:86:A:LEU:HD13	1:84:A:VAL:HG22	6	2.0
(2,3232)	1:86:A:LEU:HD13	1:84:A:VAL:HG23	6	2.0
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	15	2.0
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	2	2.0
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	3	2.0
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	16	2.0
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	16	2.0
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	16	2.0
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	20	2.0
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	20	2.0
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	20	2.0
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	2	2.0
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	3	2.0
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	7	2.0
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	10	2.0
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	7	2.0
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	8	2.0
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	13	2.0
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	5	2.0
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	3	1.99
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	3	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	12	1.99
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	12	1.99
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	13	1.99
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	13	1.99
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	1	1.99
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	15	1.99
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	1	1.99
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	9	1.99
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	9	1.99
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	9	1.99
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	20	1.99
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	20	1.99
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	20	1.99
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	17	1.99
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	17	1.99
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	17	1.99
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	17	1.99
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	17	1.99
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	17	1.99
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	17	1.99
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	17	1.99
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	17	1.99
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	11	1.99
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	11	1.99
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	11	1.99
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	16	1.99
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	16	1.99
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	16	1.99
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	17	1.99
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	17	1.99
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	17	1.99
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	1	1.99
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	8	1.99
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	10	1.99
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	18	1.99
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	18	1.99
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	18	1.99
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	1	1.99
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	1	1.99
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	1	1.99
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	6	1.99
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	17	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	18	1.99
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	18	1.99
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	18	1.99
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	7	1.99
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	7	1.99
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	7	1.99
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	8	1.99
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	2	1.98
(4,38)	1:108:A:ARG:HA	1:106:A:GLY:H	17	1.98
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	1	1.98
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	9	1.98
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	12	1.98
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	14	1.98
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	14	1.98
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	14	1.98
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	14	1.98
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	14	1.98
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	14	1.98
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	14	1.98
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	14	1.98
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	14	1.98
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	2	1.98
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	2	1.98
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	2	1.98
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	2	1.98
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	2	1.98
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	2	1.98
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	2	1.98
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	2	1.98
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	2	1.98
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	15	1.98
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	15	1.98
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	15	1.98
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	14	1.98
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	14	1.98
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	14	1.98
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	12	1.98
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	11	1.98
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	1	1.98
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	13	1.98
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	15	1.98
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	18	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	3	1.98
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	3	1.98
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	3	1.98
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	1	1.98
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	10	1.98
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	8	1.98
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	8	1.98
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	8	1.98
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	4	1.98
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	15	1.98
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	5	1.97
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	5	1.97
(3,51)	1:31:A:ARG:HB3	1:32:A:ASP:HB2	2	1.97
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	2	1.97
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	2	1.97
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	2	1.97
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	11	1.97
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	11	1.97
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	11	1.97
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	2	1.97
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	2	1.97
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	2	1.97
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	2	1.97
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	2	1.97
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	2	1.97
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	2	1.97
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	2	1.97
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	2	1.97
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	19	1.97
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	19	1.97
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	19	1.97
(2,3188)	1:21:A:LEU:HD21	1:23:A:THR:H	7	1.97
(2,3188)	1:21:A:LEU:HD22	1:23:A:THR:H	7	1.97
(2,3188)	1:21:A:LEU:HD23	1:23:A:THR:H	7	1.97
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	8	1.97
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	8	1.97
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	8	1.97
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	13	1.97
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	5	1.97
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	5	1.97
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	5	1.97
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	19	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	12	1.97
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	10	1.97
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	10	1.97
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	10	1.97
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	6	1.97
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	11	1.97
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	13	1.97
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	9	1.97
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	9	1.97
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	20	1.97
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	6	1.97
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	5	1.97
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	9	1.97
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	16	1.96
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	16	1.96
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	9	1.96
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	19	1.96
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	12	1.96
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	16	1.96
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	9	1.96
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	9	1.96
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	9	1.96
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	7	1.96
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	7	1.96
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	7	1.96
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	7	1.96
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	7	1.96
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	7	1.96
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	7	1.96
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	7	1.96
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	7	1.96
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	10	1.96
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	10	1.96
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	10	1.96
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	10	1.96
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	10	1.96
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	10	1.96
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	10	1.96
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	10	1.96
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	10	1.96
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	12	1.96
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	12	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	12	1.96
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	8	1.96
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	8	1.96
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	8	1.96
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	1	1.96
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	1	1.96
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	1	1.96
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	6	1.96
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	6	1.96
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	6	1.96
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	19	1.96
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	19	1.96
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	19	1.96
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	20	1.96
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	16	1.96
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	16	1.96
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	16	1.96
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	20	1.96
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	20	1.96
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	20	1.96
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	14	1.96
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	6	1.96
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	6	1.96
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	6	1.96
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	13	1.96
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	13	1.96
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	13	1.96
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	16	1.96
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	14	1.96
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	4	1.96
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	7	1.96
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	14	1.96
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	14	1.96
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	14	1.96
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	6	1.96
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	14	1.96
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	12	1.96
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	17	1.95
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	6	1.95
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	2	1.95
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	2	1.95
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	2	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	4	1.95
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	4	1.95
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	4	1.95
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	3	1.95
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	9	1.95
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	9	1.95
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	9	1.95
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	19	1.95
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	19	1.95
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	19	1.95
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	12	1.95
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	4	1.95
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	4	1.95
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	4	1.95
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	5	1.95
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	1	1.95
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	3	1.95
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	3	1.95
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	3	1.95
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	18	1.94
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	18	1.94
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	19	1.94
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	19	1.94
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	4	1.94
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	20	1.94
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	20	1.94
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	20	1.94
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	20	1.94
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	20	1.94
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	20	1.94
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	20	1.94
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	20	1.94
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	20	1.94
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	3	1.94
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	3	1.94
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	3	1.94
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	3	1.94
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	3	1.94
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	3	1.94
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	3	1.94
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	3	1.94
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	3	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	3	1.94
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	3	1.94
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	3	1.94
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	4	1.94
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	4	1.94
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	4	1.94
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	4	1.94
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	4	1.94
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	4	1.94
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	16	1.94
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	16	1.94
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	16	1.94
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	8	1.94
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	8	1.94
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	8	1.94
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	18	1.94
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	18	1.94
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	18	1.94
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	7	1.94
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	1	1.94
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	5	1.94
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	11	1.94
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	11	1.94
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	3	1.94
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	3	1.94
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	3	1.94
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	12	1.94
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	11	1.94
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	11	1.94
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	11	1.94
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	19	1.94
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	19	1.94
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	19	1.94
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	16	1.94
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	8	1.94
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	8	1.94
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	8	1.94
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	10	1.93
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	18	1.93
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	1	1.93
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	11	1.93
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	2	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	2	1.93
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	2	1.93
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	20	1.93
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	20	1.93
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	20	1.93
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	20	1.93
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	20	1.93
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	20	1.93
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	20	1.93
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	20	1.93
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	20	1.93
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	3	1.93
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	3	1.93
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	3	1.93
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	10	1.93
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	10	1.93
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	10	1.93
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	11	1.93
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	11	1.93
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	11	1.93
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	15	1.93
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	15	1.93
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	15	1.93
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG21	16	1.93
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG22	16	1.93
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG23	16	1.93
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	13	1.93
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	13	1.93
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	13	1.93
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	9	1.93
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	7	1.93
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	7	1.93
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	7	1.93
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	14	1.93
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	3	1.93
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	3	1.93
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	3	1.93
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	13	1.93
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	13	1.93
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	13	1.93
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	20	1.93
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	20	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	20	1.93
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	17	1.93
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	17	1.93
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	17	1.93
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	1	1.93
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	1	1.93
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	1	1.93
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	6	1.93
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	6	1.93
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	6	1.93
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	3	1.93
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	5	1.93
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	9	1.92
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	3	1.92
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	11	1.92
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	11	1.92
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	11	1.92
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	4	1.92
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	16	1.92
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	16	1.92
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	16	1.92
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	2	1.92
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	2	1.92
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	2	1.92
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	2	1.92
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	2	1.92
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	2	1.92
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	2	1.92
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	2	1.92
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	2	1.92
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	4	1.92
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	8	1.92
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	2	1.92
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	6	1.92
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	6	1.92
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	6	1.92
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	6	1.92
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	6	1.92
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	6	1.92
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	6	1.92
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	11	1.92
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	11	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	11	1.92
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	10	1.92
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	5	1.92
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	18	1.92
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	18	1.92
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	18	1.92
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	20	1.92
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	15	1.92
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	15	1.92
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	15	1.92
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	13	1.92
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	5	1.92
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	5	1.92
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	5	1.92
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	16	1.91
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	16	1.91
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	16	1.91
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	16	1.91
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	16	1.91
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	16	1.91
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	16	1.91
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	16	1.91
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	16	1.91
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	16	1.91
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	16	1.91
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	16	1.91
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	16	1.91
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	16	1.91
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	16	1.91
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	16	1.91
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	16	1.91
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	16	1.91
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	2	1.91
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	2	1.91
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	14	1.91
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	14	1.91
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	14	1.91
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	14	1.91
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	14	1.91
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	14	1.91
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	14	1.91
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	14	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	14	1.91
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	12	1.91
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	12	1.91
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	12	1.91
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	1	1.91
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	1	1.91
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	1	1.91
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	5	1.91
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	5	1.91
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	5	1.91
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	16	1.91
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	16	1.91
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	16	1.91
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	4	1.91
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	4	1.91
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	4	1.91
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	2	1.91
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	5	1.91
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	6	1.91
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	16	1.91
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	16	1.91
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	16	1.91
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	10	1.91
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	10	1.91
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	10	1.91
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	17	1.91
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	10	1.91
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	4	1.91
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	4	1.91
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	4	1.91
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	12	1.91
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	12	1.91
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	12	1.91
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	2	1.91
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	7	1.91
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	14	1.91
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	18	1.91
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	18	1.91
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	18	1.91
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	16	1.91
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	16	1.91
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	16	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	8	1.91
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	8	1.91
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	8	1.91
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	10	1.91
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	10	1.91
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	10	1.91
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	11	1.9
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	5	1.9
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	10	1.9
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	10	1.9
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	10	1.9
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	19	1.9
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	9	1.9
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	1	1.9
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	1	1.9
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	1	1.9
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	7	1.9
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	7	1.9
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	7	1.9
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	12	1.9
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	10	1.9
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	14	1.9
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	14	1.9
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	14	1.9
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	8	1.9
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	6	1.9
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	6	1.9
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	6	1.9
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	5	1.9
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	5	1.9
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	5	1.9
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	9	1.9
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	17	1.9
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	17	1.9
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	17	1.9
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	3	1.9
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	3	1.9
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	3	1.9
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	19	1.9
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	10	1.89
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	15	1.89
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	15	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	15	1.89
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	15	1.89
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	15	1.89
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	15	1.89
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	15	1.89
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	15	1.89
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	15	1.89
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	3	1.89
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	3	1.89
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	3	1.89
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	10	1.89
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	10	1.89
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	10	1.89
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	5	1.89
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	5	1.89
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	5	1.89
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	9	1.89
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	9	1.89
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	9	1.89
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	8	1.89
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	8	1.89
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	8	1.89
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	2	1.89
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	11	1.89
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	11	1.89
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	11	1.89
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	9	1.89
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	19	1.89
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	19	1.89
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	19	1.89
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	19	1.89
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	8	1.89
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	8	1.89
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	8	1.89
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	6	1.89
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	6	1.89
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	6	1.89
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	18	1.89
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	9	1.89
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	9	1.89
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	9	1.89
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	9	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	14	1.89
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	14	1.89
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	5	1.89
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	7	1.89
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	8	1.89
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	10	1.89
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	16	1.89
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	17	1.89
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	19	1.89
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	8	1.89
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	4	1.89
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	4	1.89
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	4	1.89
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	5	1.89
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	5	1.89
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	5	1.89
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	18	1.88
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	13	1.88
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	13	1.88
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	13	1.88
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	17	1.88
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	17	1.88
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	17	1.88
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	20	1.88
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	20	1.88
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	20	1.88
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	6	1.88
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	4	1.88
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	15	1.88
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	17	1.88
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	1	1.88
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	1	1.88
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	1	1.88
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	6	1.88
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	5	1.88
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	5	1.88
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	5	1.88
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	4	1.88
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	2	1.88
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	13	1.88
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	2	1.88
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	2	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	2	1.88
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	17	1.88
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	5	1.88
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	16	1.88
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	16	1.88
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	16	1.88
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	1	1.88
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	4	1.88
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	4	1.88
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	4	1.88
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	16	1.88
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	16	1.88
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	16	1.88
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	10	1.88
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	18	1.88
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	7	1.88
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	7	1.88
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	7	1.88
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	13	1.87
(4,26)	1:86:A:LEU:H	1:84:A:VAL:HG11	18	1.87
(4,26)	1:86:A:LEU:H	1:84:A:VAL:HG12	18	1.87
(4,26)	1:86:A:LEU:H	1:84:A:VAL:HG13	18	1.87
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	17	1.87
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	17	1.87
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	17	1.87
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	14	1.87
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	14	1.87
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	14	1.87
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	14	1.87
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	14	1.87
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	14	1.87
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	14	1.87
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	14	1.87
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	14	1.87
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	15	1.87
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	15	1.87
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	15	1.87
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	6	1.87
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	6	1.87
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	6	1.87
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	6	1.87
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	6	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	6	1.87
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	6	1.87
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	6	1.87
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	6	1.87
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	20	1.87
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	20	1.87
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	20	1.87
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	19	1.87
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	19	1.87
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	19	1.87
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	14	1.87
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	14	1.87
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	14	1.87
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	20	1.87
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	9	1.87
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	9	1.87
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	9	1.87
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	17	1.87
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	17	1.87
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	17	1.87
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	19	1.87
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	19	1.87
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	19	1.87
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	14	1.87
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	15	1.87
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	15	1.87
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	15	1.87
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	3	1.87
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	19	1.87
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	16	1.87
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	18	1.87
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	1	1.87
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	4	1.87
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	4	1.87
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	4	1.87
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	6	1.87
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	6	1.87
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	6	1.87
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	5	1.86
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	11	1.86
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	15	1.86
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	15	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	15	1.86
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	15	1.86
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	15	1.86
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	15	1.86
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	15	1.86
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	15	1.86
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	15	1.86
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	1	1.86
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	1	1.86
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	1	1.86
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	1	1.86
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	1	1.86
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	1	1.86
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	1	1.86
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	1	1.86
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	1	1.86
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	11	1.86
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	11	1.86
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	11	1.86
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	14	1.86
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	14	1.86
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	14	1.86
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	20	1.86
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	20	1.86
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	20	1.86
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	2	1.86
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	2	1.86
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	2	1.86
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	19	1.86
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	19	1.86
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	19	1.86
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	13	1.86
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	13	1.86
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	13	1.86
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG21	9	1.86
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG22	9	1.86
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG23	9	1.86
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	17	1.86
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	17	1.86
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	17	1.86
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	8	1.86
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	8	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	8	1.86
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	3	1.86
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	3	1.86
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	3	1.86
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	11	1.86
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	11	1.86
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	11	1.86
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	12	1.86
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	12	1.86
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	12	1.86
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	20	1.86
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	13	1.86
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	15	1.86
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	15	1.86
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	1	1.86
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	19	1.86
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	19	1.86
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	19	1.86
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	2	1.85
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	4	1.85
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	15	1.85
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	15	1.85
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	15	1.85
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	18	1.85
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	14	1.85
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	1	1.85
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	1	1.85
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	1	1.85
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	9	1.85
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	9	1.85
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	9	1.85
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	19	1.85
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	6	1.85
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	13	1.85
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	16	1.85
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	14	1.85
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	11	1.85
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	11	1.85
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	11	1.85
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	18	1.85
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	18	1.85
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	10	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	10	1.85
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	10	1.85
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	13	1.85
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	13	1.85
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	13	1.85
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	3	1.85
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	3	1.85
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	3	1.85
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	1	1.85
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	11	1.85
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	19	1.85
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	20	1.85
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	11	1.85
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	11	1.85
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	11	1.85
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	3	1.85
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	2	1.85
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	13	1.85
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	13	1.85
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	13	1.85
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	17	1.85
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	17	1.85
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	17	1.85
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	20	1.85
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	20	1.85
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	20	1.85
(4,74)	1:27:A:ILE:HA	1:30:A:TRP:HA	15	1.84
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	13	1.84
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	13	1.84
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	13	1.84
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	6	1.84
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	12	1.84
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	12	1.84
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	12	1.84
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	15	1.84
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	12	1.84
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	12	1.84
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	12	1.84
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	6	1.84
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	6	1.84
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	6	1.84
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	13	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	13	1.84
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	13	1.84
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	13	1.84
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	13	1.84
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	13	1.84
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	13	1.84
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	13	1.84
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	13	1.84
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	15	1.84
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	15	1.84
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	15	1.84
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	1	1.84
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	12	1.84
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	17	1.84
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	17	1.84
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	17	1.84
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	20	1.84
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	20	1.84
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	20	1.84
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG21	18	1.84
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG22	18	1.84
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG23	18	1.84
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	5	1.84
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	5	1.84
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	5	1.84
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	19	1.84
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	19	1.84
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	19	1.84
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	2	1.84
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	4	1.84
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	7	1.84
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	15	1.84
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	7	1.84
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	19	1.84
(1,570)	1:53:A:LEU:HD11	1:42:A:LYS:H	10	1.84
(1,570)	1:53:A:LEU:HD12	1:42:A:LYS:H	10	1.84
(1,570)	1:53:A:LEU:HD13	1:42:A:LYS:H	10	1.84
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	9	1.83
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	9	1.83
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	7	1.83
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	1	1.83
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	10	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	14	1.83
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	14	1.83
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	8	1.83
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	13	1.83
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	14	1.83
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	7	1.83
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	7	1.83
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	7	1.83
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	20	1.83
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	20	1.83
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	20	1.83
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	20	1.83
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	20	1.83
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	20	1.83
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	20	1.83
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	20	1.83
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	20	1.83
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	19	1.83
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	19	1.83
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	19	1.83
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	19	1.83
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	19	1.83
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	19	1.83
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	19	1.83
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	19	1.83
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	19	1.83
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	7	1.83
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	7	1.83
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	7	1.83
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	3	1.83
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	1	1.83
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	1	1.83
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	1	1.83
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	1	1.83
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	1	1.83
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	1	1.83
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	10	1.83
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	10	1.83
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	10	1.83
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	10	1.83
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	10	1.83
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	10	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	17	1.83
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	17	1.83
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	17	1.83
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	3	1.83
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	3	1.83
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	3	1.83
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	10	1.83
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	10	1.83
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	10	1.83
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	17	1.83
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	17	1.83
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	17	1.83
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	1	1.83
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	1	1.83
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	1	1.83
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	1	1.83
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	20	1.83
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	4	1.83
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	4	1.83
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	4	1.83
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	5	1.83
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	11	1.83
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	6	1.83
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	14	1.83
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	14	1.83
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	14	1.83
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	7	1.83
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	7	1.83
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	7	1.83
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	20	1.83
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	1	1.82
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	1	1.82
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	1	1.82
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	3	1.82
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	2	1.82
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	2	1.82
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	2	1.82
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	10	1.82
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	10	1.82
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	10	1.82
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	19	1.82
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	19	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	19	1.82
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	2	1.82
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	2	1.82
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	2	1.82
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	4	1.82
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	4	1.82
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	4	1.82
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	14	1.82
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	14	1.82
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	14	1.82
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	5	1.82
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	5	1.82
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	5	1.82
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	1	1.82
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	15	1.82
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	17	1.82
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	19	1.82
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	4	1.82
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	17	1.82
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	17	1.82
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	17	1.82
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	8	1.82
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	12	1.82
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	4	1.82
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	2	1.82
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	11	1.82
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	14	1.82
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	2	1.82
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	15	1.82
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	11	1.82
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	9	1.82
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	9	1.82
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	9	1.82
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	10	1.81
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD2	4	1.81
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD3	4	1.81
(3,44)	1:39:A:ARG:HG3	1:31:A:ARG:HD3	4	1.81
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	11	1.81
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	11	1.81
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	11	1.81
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	8	1.81
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	8	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	8	1.81
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	13	1.81
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	13	1.81
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	13	1.81
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	4	1.81
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	4	1.81
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	4	1.81
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	14	1.81
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	14	1.81
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	14	1.81
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	9	1.81
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	17	1.81
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	17	1.81
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	17	1.81
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	16	1.81
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	16	1.81
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	16	1.81
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	15	1.81
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	2	1.81
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	1	1.81
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	1	1.81
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	9	1.81
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	9	1.81
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	9	1.81
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	15	1.81
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	15	1.81
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	15	1.81
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	1	1.81
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	1	1.81
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	1	1.81
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	17	1.81
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	17	1.81
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	17	1.81
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	13	1.81
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	14	1.81
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	14	1.81
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	14	1.81
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	7	1.81
(2,1028)	1:125:A:VAL:HG21	1:139:A:GLU:H	7	1.81
(2,1028)	1:125:A:VAL:HG22	1:139:A:GLU:H	7	1.81
(2,1028)	1:125:A:VAL:HG23	1:139:A:GLU:H	7	1.81
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	18	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	17	1.81
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	17	1.81
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	17	1.81
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	18	1.81
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	18	1.81
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	18	1.81
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	15	1.81
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	15	1.81
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	15	1.81
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	1	1.81
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	17	1.81
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	9	1.81
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	16	1.81
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	14	1.8
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	1	1.8
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	4	1.8
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	1	1.8
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	7	1.8
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	19	1.8
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	19	1.8
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	19	1.8
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	4	1.8
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	4	1.8
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	4	1.8
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	4	1.8
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	4	1.8
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	4	1.8
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	4	1.8
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	4	1.8
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	4	1.8
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	12	1.8
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	12	1.8
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	12	1.8
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	15	1.8
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	19	1.8
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	17	1.8
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	17	1.8
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	17	1.8
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	17	1.8
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	17	1.8
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	17	1.8
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	11	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	10	1.8
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	10	1.8
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	10	1.8
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	16	1.8
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	16	1.8
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	16	1.8
(2,2534)	1:125:A:VAL:HG21	1:145:A:GLN:HG2	18	1.8
(2,2534)	1:125:A:VAL:HG22	1:145:A:GLN:HG2	18	1.8
(2,2534)	1:125:A:VAL:HG23	1:145:A:GLN:HG2	18	1.8
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	8	1.8
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	6	1.8
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	6	1.8
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	6	1.8
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	7	1.8
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	7	1.8
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	7	1.8
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	12	1.8
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	12	1.8
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	12	1.8
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	14	1.8
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	14	1.8
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	14	1.8
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	17	1.8
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	17	1.8
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	17	1.8
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	5	1.8
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	5	1.8
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	5	1.8
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	11	1.8
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	6	1.8
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	6	1.8
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	6	1.8
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	16	1.8
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	16	1.8
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	16	1.8
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	9	1.8
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	9	1.8
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	9	1.8
(2,325)	1:63:A:ASP:HB3	1:69:A:ILE:H	12	1.8
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	2	1.8
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	2	1.8
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	2	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA3	4	1.8
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA2	4	1.8
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	6	1.79
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	7	1.79
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	10	1.79
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	10	1.79
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	10	1.79
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	14	1.79
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	2	1.79
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	2	1.79
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	2	1.79
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	13	1.79
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	13	1.79
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	13	1.79
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	13	1.79
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	13	1.79
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	13	1.79
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	13	1.79
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	13	1.79
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	13	1.79
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	8	1.79
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	8	1.79
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	8	1.79
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	16	1.79
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	16	1.79
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	16	1.79
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	11	1.79
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	11	1.79
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	11	1.79
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG21	3	1.79
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG22	3	1.79
(2,3440)	1:123:A:VAL:HG11	1:81:A:THR:HG23	3	1.79
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG21	3	1.79
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG22	3	1.79
(2,3440)	1:123:A:VAL:HG12	1:81:A:THR:HG23	3	1.79
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG21	3	1.79
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG22	3	1.79
(2,3440)	1:123:A:VAL:HG13	1:81:A:THR:HG23	3	1.79
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	11	1.79
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	4	1.79
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	7	1.79
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	7	1.79
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	8	1.79
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	8	1.79
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	8	1.79
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	12	1.79
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	12	1.79
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	12	1.79
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG21	18	1.79
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG22	18	1.79
(2,1827)	1:95:A:LEU:HA	1:84:A:VAL:HG23	18	1.79
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	2	1.79
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	2	1.79
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	2	1.79
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	8	1.79
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	8	1.79
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	8	1.79
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	7	1.79
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	7	1.79
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	7	1.79
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	18	1.79
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	18	1.79
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	18	1.79
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	16	1.79
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	13	1.79
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	13	1.79
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	13	1.79
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	4	1.79
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	4	1.79
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	4	1.79
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	17	1.78
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	17	1.78
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	3	1.78
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	5	1.78
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	16	1.78
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	2	1.78
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	2	1.78
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	2	1.78
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	15	1.78
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	15	1.78
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	15	1.78
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	9	1.78
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	9	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	9	1.78
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	9	1.78
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	9	1.78
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	9	1.78
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	9	1.78
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	9	1.78
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	9	1.78
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	2	1.78
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	17	1.78
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	6	1.78
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	6	1.78
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	6	1.78
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	16	1.78
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	16	1.78
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	16	1.78
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	15	1.78
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	2	1.78
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	2	1.78
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	2	1.78
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	4	1.78
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	4	1.78
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	4	1.78
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	6	1.78
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	6	1.78
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	6	1.78
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	6	1.78
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	6	1.78
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	6	1.78
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG21	19	1.78
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG22	19	1.78
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG23	19	1.78
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	17	1.78
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	14	1.78
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	14	1.78
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	14	1.78
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	6	1.78
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	11	1.78
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	17	1.78
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	3	1.78
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	3	1.78
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	3	1.78
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	14	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	14	1.78
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	14	1.78
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	1	1.78
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	1	1.78
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	1	1.78
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	3	1.78
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	3	1.78
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	3	1.78
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	4	1.78
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	4	1.78
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	4	1.78
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	9	1.78
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	9	1.78
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	9	1.78
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	10	1.78
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	10	1.78
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	10	1.78
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	13	1.78
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	13	1.78
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	13	1.78
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	19	1.78
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	19	1.78
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	19	1.78
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	3	1.78
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	3	1.78
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	3	1.78
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	14	1.78
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	14	1.78
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	14	1.78
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	2	1.78
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	2	1.78
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	2	1.78
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	7	1.78
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	7	1.78
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	9	1.78
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	18	1.78
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	11	1.78
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	11	1.78
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	11	1.78
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	8	1.78
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	8	1.78
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	8	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	13	1.78
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	13	1.78
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	13	1.78
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	14	1.78
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	13	1.78
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	9	1.77
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	11	1.77
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	12	1.77
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	12	1.77
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	12	1.77
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	12	1.77
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	12	1.77
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	12	1.77
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	12	1.77
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	12	1.77
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	12	1.77
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	17	1.77
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	17	1.77
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	17	1.77
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	8	1.77
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	8	1.77
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	8	1.77
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	11	1.77
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	11	1.77
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	11	1.77
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	14	1.77
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	1	1.77
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	1	1.77
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	1	1.77
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	19	1.77
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	19	1.77
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	19	1.77
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	1	1.77
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	3	1.77
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	12	1.77
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	12	1.77
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	12	1.77
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	16	1.77
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	6	1.77
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	6	1.77
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	6	1.77
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	16	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	16	1.77
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	16	1.77
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	19	1.77
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	19	1.77
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	19	1.77
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	5	1.77
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	5	1.77
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	5	1.77
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	16	1.77
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	16	1.77
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	16	1.77
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	20	1.77
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	20	1.77
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	20	1.77
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	16	1.77
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	16	1.77
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	16	1.77
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	20	1.77
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	20	1.77
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	20	1.77
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	11	1.77
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	10	1.77
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	17	1.77
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	18	1.77
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	10	1.77
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	12	1.77
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	16	1.77
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	16	1.77
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	16	1.77
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	8	1.77
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	8	1.77
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	8	1.77
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	1	1.76
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	17	1.76
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	14	1.76
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	13	1.76
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	13	1.76
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	13	1.76
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	20	1.76
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	20	1.76
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	20	1.76
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	6	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	6	1.76
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	6	1.76
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	10	1.76
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	10	1.76
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	10	1.76
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	10	1.76
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	10	1.76
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	10	1.76
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	17	1.76
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	4	1.76
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	1	1.76
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	1	1.76
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	1	1.76
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	2	1.76
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	2	1.76
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	2	1.76
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	15	1.76
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	15	1.76
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	15	1.76
(2,1794)	1:84:A:VAL:HG11	1:83:A:GLU:HA	11	1.76
(2,1794)	1:84:A:VAL:HG12	1:83:A:GLU:HA	11	1.76
(2,1794)	1:84:A:VAL:HG13	1:83:A:GLU:HA	11	1.76
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	3	1.76
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	15	1.76
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	5	1.76
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	5	1.76
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	5	1.76
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	10	1.76
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	10	1.76
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	10	1.76
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	11	1.76
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	20	1.76
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	16	1.76
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	11	1.76
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	11	1.76
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	11	1.76
(1,452)	1:28:A:LEU:HB2	1:56:A:VAL:HB	10	1.76
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	18	1.76
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	12	1.75
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	18	1.75
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD2	1	1.75
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD3	1	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,44)	1:39:A:ARG:HG3	1:31:A:ARG:HD3	1	1.75
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	9	1.75
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	14	1.75
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	14	1.75
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	14	1.75
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	2	1.75
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	2	1.75
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	2	1.75
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	17	1.75
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	17	1.75
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	17	1.75
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	4	1.75
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	4	1.75
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	4	1.75
(2,3113)	1:26:A:ARG:HG3	1:25:A:LYS:H	6	1.75
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	3	1.75
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	14	1.75
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	14	1.75
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	14	1.75
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	14	1.75
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	14	1.75
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	14	1.75
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	10	1.75
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	10	1.75
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	10	1.75
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	3	1.75
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	8	1.75
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	8	1.75
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	8	1.75
(2,2429)	1:56:A:VAL:HG21	1:54:A:ILE:HB	15	1.75
(2,2429)	1:56:A:VAL:HG22	1:54:A:ILE:HB	15	1.75
(2,2429)	1:56:A:VAL:HG23	1:54:A:ILE:HB	15	1.75
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	4	1.75
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	3	1.75
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	3	1.75
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	3	1.75
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	8	1.75
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	11	1.75
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	11	1.75
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	11	1.75
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	19	1.75
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	3	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	3	1.75
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	3	1.75
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	12	1.75
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	15	1.75
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	11	1.75
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	11	1.75
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	11	1.75
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	1	1.74
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	1	1.74
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	1	1.74
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	1	1.74
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	1	1.74
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	1	1.74
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	1	1.74
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	1	1.74
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	1	1.74
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG21	1	1.74
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG22	1	1.74
(4,133)	1:74:A:THR:HG21	1:81:A:THR:HG23	1	1.74
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG21	1	1.74
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG22	1	1.74
(4,133)	1:74:A:THR:HG22	1:81:A:THR:HG23	1	1.74
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG21	1	1.74
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG22	1	1.74
(4,133)	1:74:A:THR:HG23	1:81:A:THR:HG23	1	1.74
(4,4)	1:80:A:ARG:H	1:75:A:GLN:HA	1	1.74
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	15	1.74
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	12	1.74
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	17	1.74
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	3	1.74
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	3	1.74
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	3	1.74
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	15	1.74
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	15	1.74
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	15	1.74
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	19	1.74
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	19	1.74
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	19	1.74
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	19	1.74
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	19	1.74
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	19	1.74
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	19	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	19	1.74
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	19	1.74
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	12	1.74
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	12	1.74
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	12	1.74
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	20	1.74
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	20	1.74
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	20	1.74
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	17	1.74
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	17	1.74
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	17	1.74
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	7	1.74
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	7	1.74
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	7	1.74
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	16	1.74
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	16	1.74
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	16	1.74
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	16	1.74
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	16	1.74
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	16	1.74
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	9	1.74
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	9	1.74
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	9	1.74
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	9	1.74
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	9	1.74
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	9	1.74
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	5	1.74
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	5	1.74
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	5	1.74
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	11	1.74
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	11	1.74
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	11	1.74
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	18	1.74
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	18	1.74
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	18	1.74
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD11	9	1.74
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD12	9	1.74
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD13	9	1.74
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	14	1.74
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	6	1.74
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	17	1.74
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	17	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	17	1.74
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	9	1.74
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	4	1.74
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	20	1.74
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	2	1.74
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	2	1.74
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	2	1.74
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	12	1.74
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	12	1.73
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	13	1.73
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	13	1.73
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	13	1.73
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	9	1.73
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	9	1.73
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	9	1.73
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	2	1.73
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	2	1.73
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	2	1.73
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	2	1.73
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	2	1.73
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	2	1.73
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	2	1.73
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	2	1.73
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	2	1.73
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	5	1.73
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	5	1.73
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	5	1.73
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	8	1.73
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	8	1.73
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	8	1.73
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	8	1.73
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	8	1.73
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	8	1.73
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	8	1.73
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	8	1.73
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	8	1.73
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	19	1.73
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	6	1.73
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	7	1.73
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	13	1.73
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	16	1.73
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	19	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	8	1.73
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	10	1.73
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	1	1.73
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	1	1.73
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	1	1.73
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	8	1.73
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	8	1.73
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	8	1.73
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	14	1.73
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	14	1.73
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	14	1.73
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	16	1.73
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	16	1.73
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	12	1.73
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	10	1.73
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	20	1.73
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	10	1.73
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	7	1.72
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	14	1.72
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	6	1.72
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	20	1.72
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	20	1.72
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	20	1.72
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	20	1.72
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	20	1.72
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	20	1.72
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	2	1.72
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	2	1.72
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	2	1.72
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	10	1.72
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	10	1.72
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	10	1.72
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	20	1.72
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	20	1.72
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	20	1.72
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	20	1.72
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	20	1.72
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	20	1.72
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	20	1.72
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	20	1.72
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	20	1.72
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	18	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	18	1.72
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	18	1.72
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	18	1.72
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	18	1.72
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	18	1.72
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	18	1.72
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	18	1.72
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	18	1.72
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	14	1.72
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	14	1.72
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	14	1.72
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	1	1.72
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	1	1.72
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	1	1.72
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	1	1.72
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	1	1.72
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	1	1.72
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	1	1.72
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	1	1.72
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	1	1.72
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	16	1.72
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	16	1.72
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	16	1.72
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	17	1.72
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	17	1.72
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	17	1.72
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	8	1.72
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	15	1.72
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	17	1.72
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	17	1.72
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	17	1.72
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	9	1.72
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	9	1.72
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	9	1.72
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	15	1.72
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	15	1.72
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	15	1.72
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	9	1.72
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	20	1.72
(2,1914)	1:113:A:VAL:HG21	1:112:A:MET:HA	20	1.72
(2,1914)	1:113:A:VAL:HG22	1:112:A:MET:HA	20	1.72
(2,1914)	1:113:A:VAL:HG23	1:112:A:MET:HA	20	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	10	1.72
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	10	1.72
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	10	1.72
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	5	1.72
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	5	1.72
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	13	1.72
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	13	1.72
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	13	1.72
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	7	1.72
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	7	1.72
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	7	1.72
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	14	1.72
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	14	1.72
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	14	1.72
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	4	1.71
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	16	1.71
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	16	1.71
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	16	1.71
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	16	1.71
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	16	1.71
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	16	1.71
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	18	1.71
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	18	1.71
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	18	1.71
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	6	1.71
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	6	1.71
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	6	1.71
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	7	1.71
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	7	1.71
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	7	1.71
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	6	1.71
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	6	1.71
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	6	1.71
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	6	1.71
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	17	1.71
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	6	1.71
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	6	1.71
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	6	1.71
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	10	1.71
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	20	1.71
(2,2506)	1:88:A:ARG:HG3	1:93:A:GLU:HG3	4	1.71
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	6	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	13	1.71
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	6	1.71
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD11	5	1.71
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD12	5	1.71
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD13	5	1.71
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	10	1.71
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	10	1.71
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	10	1.71
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	13	1.71
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	13	1.71
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	13	1.71
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	2	1.71
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	12	1.71
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	12	1.71
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	12	1.71
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	12	1.71
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	2	1.71
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	2	1.71
(2,1028)	1:125:A:VAL:HG21	1:139:A:GLU:H	3	1.71
(2,1028)	1:125:A:VAL:HG22	1:139:A:GLU:H	3	1.71
(2,1028)	1:125:A:VAL:HG23	1:139:A:GLU:H	3	1.71
(2,1028)	1:125:A:VAL:HG21	1:139:A:GLU:H	14	1.71
(2,1028)	1:125:A:VAL:HG22	1:139:A:GLU:H	14	1.71
(2,1028)	1:125:A:VAL:HG23	1:139:A:GLU:H	14	1.71
(2,325)	1:63:A:ASP:HB3	1:69:A:ILE:H	18	1.71
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	19	1.7
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	16	1.7
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	6	1.7
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	5	1.7
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	8	1.7
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	2	1.7
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	9	1.7
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	15	1.7
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	15	1.7
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	15	1.7
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	12	1.7
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	12	1.7
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	12	1.7
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	12	1.7
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	12	1.7
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	12	1.7
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	12	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	12	1.7
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	12	1.7
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	9	1.7
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	9	1.7
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	9	1.7
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	11	1.7
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	11	1.7
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	11	1.7
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	9	1.7
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	9	1.7
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	9	1.7
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	9	1.7
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	9	1.7
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	9	1.7
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	9	1.7
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	9	1.7
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	9	1.7
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	7	1.7
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	6	1.7
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	6	1.7
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	6	1.7
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	6	1.7
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	6	1.7
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	6	1.7
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD11	15	1.7
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD12	15	1.7
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD13	15	1.7
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	4	1.7
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	4	1.7
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	4	1.7
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	6	1.7
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	6	1.7
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	6	1.7
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	8	1.7
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	8	1.7
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	8	1.7
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	13	1.7
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	4	1.7
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	13	1.69
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	2	1.69
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	4	1.69
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	4	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	4	1.69
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	11	1.69
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	11	1.69
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	11	1.69
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	11	1.69
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	11	1.69
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	11	1.69
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	5	1.69
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	5	1.69
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	5	1.69
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	11	1.69
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	11	1.69
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	11	1.69
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	5	1.69
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	5	1.69
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	5	1.69
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	12	1.69
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	12	1.69
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	12	1.69
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	15	1.69
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	15	1.69
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	15	1.69
(2,3301)	1:84:A:VAL:HG21	1:143:A:ALA:H	12	1.69
(2,3301)	1:84:A:VAL:HG22	1:143:A:ALA:H	12	1.69
(2,3301)	1:84:A:VAL:HG23	1:143:A:ALA:H	12	1.69
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	2	1.69
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	10	1.69
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	10	1.69
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	10	1.69
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	10	1.69
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	10	1.69
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	10	1.69
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	10	1.69
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	10	1.69
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	10	1.69
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	18	1.69
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	18	1.69
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	18	1.69
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	18	1.69
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	18	1.69
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	18	1.69
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	18	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	18	1.69
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	18	1.69
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	20	1.69
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	20	1.69
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	20	1.69
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	20	1.69
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	20	1.69
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	20	1.69
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	20	1.69
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	20	1.69
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	20	1.69
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	1	1.69
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	12	1.69
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	6	1.69
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	6	1.69
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	6	1.69
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	14	1.69
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	14	1.69
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	14	1.69
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	16	1.69
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	13	1.69
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	19	1.69
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	19	1.69
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	19	1.69
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	19	1.69
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD11	6	1.69
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD12	6	1.69
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD13	6	1.69
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD11	17	1.69
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD12	17	1.69
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD13	17	1.69
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	1	1.69
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	1	1.69
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	1	1.69
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	1	1.69
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	1	1.69
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	1	1.69
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	13	1.69
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	13	1.69
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	13	1.69
(2,1222)	1:125:A:VAL:HG21	1:140:A:GLY:H	3	1.69
(2,1222)	1:125:A:VAL:HG22	1:140:A:GLY:H	3	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1222)	1:125:A:VAL:HG23	1:140:A:GLY:H	3	1.69
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	17	1.69
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	8	1.69
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	13	1.69
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	2	1.68
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	6	1.68
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	6	1.68
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	5	1.68
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	17	1.68
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	17	1.68
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	17	1.68
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	17	1.68
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	17	1.68
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	17	1.68
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	17	1.68
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	17	1.68
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	17	1.68
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	5	1.68
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	5	1.68
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	5	1.68
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	5	1.68
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	5	1.68
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	5	1.68
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	3	1.68
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	3	1.68
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	3	1.68
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	3	1.68
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	3	1.68
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	3	1.68
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	3	1.68
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	3	1.68
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	3	1.68
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	12	1.68
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	12	1.68
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	12	1.68
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	12	1.68
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	12	1.68
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	12	1.68
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	12	1.68
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	12	1.68
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	12	1.68
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	2	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	2	1.68
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	2	1.68
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	2	1.68
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	2	1.68
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	2	1.68
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	2	1.68
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	2	1.68
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	2	1.68
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	2	1.68
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	2	1.68
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	2	1.68
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	11	1.68
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	11	1.68
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	11	1.68
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	11	1.68
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	11	1.68
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	11	1.68
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	11	1.68
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	11	1.68
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	11	1.68
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	17	1.68
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	17	1.68
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	17	1.68
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	17	1.68
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	17	1.68
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	17	1.68
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	17	1.68
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	17	1.68
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	17	1.68
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	18	1.68
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	15	1.68
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	15	1.68
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	15	1.68
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	17	1.68
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	14	1.68
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	14	1.68
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	14	1.68
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	3	1.68
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	3	1.68
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	3	1.68
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	19	1.68
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	19	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	19	1.68
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	6	1.68
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	19	1.68
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	14	1.68
(2,1222)	1:125:A:VAL:HG21	1:140:A:GLY:H	4	1.68
(2,1222)	1:125:A:VAL:HG22	1:140:A:GLY:H	4	1.68
(2,1222)	1:125:A:VAL:HG23	1:140:A:GLY:H	4	1.68
(2,1222)	1:125:A:VAL:HG21	1:140:A:GLY:H	7	1.68
(2,1222)	1:125:A:VAL:HG22	1:140:A:GLY:H	7	1.68
(2,1222)	1:125:A:VAL:HG23	1:140:A:GLY:H	7	1.68
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	13	1.68
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	4	1.68
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	19	1.68
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	19	1.68
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	19	1.68
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	17	1.67
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	8	1.67
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	17	1.67
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	17	1.67
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	17	1.67
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	8	1.67
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	8	1.67
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	8	1.67
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	8	1.67
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	8	1.67
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	8	1.67
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	8	1.67
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	8	1.67
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	8	1.67
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	17	1.67
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	17	1.67
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	17	1.67
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	17	1.67
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	17	1.67
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	17	1.67
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	17	1.67
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	17	1.67
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	17	1.67
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	9	1.67
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	9	1.67
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	9	1.67
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	16	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	16	1.67
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	16	1.67
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	16	1.67
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	16	1.67
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	16	1.67
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	16	1.67
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	16	1.67
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	16	1.67
(2,3127)	1:69:A:ILE:HG21	1:72:A:ARG:HG2	9	1.67
(2,3127)	1:69:A:ILE:HG22	1:72:A:ARG:HG2	9	1.67
(2,3127)	1:69:A:ILE:HG23	1:72:A:ARG:HG2	9	1.67
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	1	1.67
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	2	1.67
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	2	1.67
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	2	1.67
(2,2259)	1:88:A:ARG:HD3	1:94:A:ARG:HA	5	1.67
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	5	1.67
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	5	1.67
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	1	1.67
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	1	1.67
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	1	1.67
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	8	1.67
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	8	1.67
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	8	1.67
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	6	1.67
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	6	1.67
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	6	1.67
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	14	1.67
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	14	1.67
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	14	1.67
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	14	1.67
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	2	1.67
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	2	1.67
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	2	1.67
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	14	1.67
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	14	1.67
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	15	1.67
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	3	1.67
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	13	1.67
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	9	1.67
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	10	1.67
(1,102)	1:53:A:LEU:HD11	1:43:A:PRO:HA	10	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:53:A:LEU:HD12	1:43:A:PRO:HA	10	1.67
(1,102)	1:53:A:LEU:HD13	1:43:A:PRO:HA	10	1.67
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	10	1.66
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	18	1.66
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	20	1.66
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	20	1.66
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	20	1.66
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	1	1.66
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	1	1.66
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	1	1.66
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	3	1.66
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	3	1.66
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	3	1.66
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	3	1.66
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	3	1.66
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	3	1.66
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	3	1.66
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	3	1.66
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	3	1.66
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	18	1.66
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	18	1.66
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	18	1.66
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	3	1.66
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	16	1.66
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	16	1.66
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	16	1.66
(2,621)	1:35:A:VAL:H	1:31:A:ARG:HG2	7	1.66
(2,318)	1:84:A:VAL:HG21	1:143:A:ALA:H	12	1.66
(2,318)	1:84:A:VAL:HG22	1:143:A:ALA:H	12	1.66
(2,318)	1:84:A:VAL:HG23	1:143:A:ALA:H	12	1.66
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	13	1.66
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	9	1.66
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	4	1.65
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	11	1.65
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	11	1.65
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	11	1.65
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	9	1.65
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	9	1.65
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	9	1.65
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	9	1.65
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	9	1.65
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	9	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	9	1.65
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	9	1.65
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	9	1.65
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	20	1.65
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	20	1.65
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	20	1.65
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	3	1.65
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	3	1.65
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	3	1.65
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	3	1.65
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	3	1.65
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	3	1.65
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	3	1.65
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	3	1.65
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	3	1.65
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	2	1.65
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	2	1.65
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	2	1.65
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	12	1.65
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	5	1.65
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	14	1.65
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	18	1.65
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	18	1.65
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	3	1.65
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	4	1.65
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	4	1.65
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	4	1.65
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	6	1.65
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	6	1.65
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	6	1.65
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	12	1.65
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	12	1.65
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	12	1.65
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	19	1.65
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	19	1.65
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	19	1.65
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	15	1.65
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	15	1.65
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	15	1.65
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG11	6	1.65
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG12	6	1.65
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG13	6	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	19	1.65
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	19	1.65
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	19	1.65
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	15	1.65
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	20	1.65
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	14	1.65
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	8	1.65
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	7	1.64
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	7	1.64
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	8	1.64
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	10	1.64
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	9	1.64
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	9	1.64
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	9	1.64
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	3	1.64
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	3	1.64
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	3	1.64
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	1	1.64
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	1	1.64
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	1	1.64
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	1	1.64
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	1	1.64
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	1	1.64
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	1	1.64
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	1	1.64
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	1	1.64
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	6	1.64
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	6	1.64
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	6	1.64
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	6	1.64
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	6	1.64
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	6	1.64
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	6	1.64
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	6	1.64
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	6	1.64
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	19	1.64
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	19	1.64
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	19	1.64
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG11	20	1.64
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG12	20	1.64
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG13	20	1.64
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	2	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	2	1.64
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	2	1.64
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	14	1.64
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	14	1.64
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	14	1.64
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	5	1.64
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	5	1.64
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	5	1.64
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	5	1.64
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	5	1.64
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	5	1.64
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	5	1.64
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	5	1.64
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	5	1.64
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	6	1.64
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	6	1.64
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	6	1.64
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	6	1.64
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	6	1.64
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	6	1.64
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	6	1.64
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	6	1.64
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	6	1.64
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	5	1.64
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	1	1.64
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	1	1.64
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	1	1.64
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	17	1.64
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	7	1.64
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	17	1.64
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	8	1.64
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	17	1.64
(2,1222)	1:125:A:VAL:HG21	1:140:A:GLY:H	6	1.64
(2,1222)	1:125:A:VAL:HG22	1:140:A:GLY:H	6	1.64
(2,1222)	1:125:A:VAL:HG23	1:140:A:GLY:H	6	1.64
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	1	1.64
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	1	1.64
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	1	1.64
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	16	1.64
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	16	1.64
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	16	1.64
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	17	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	17	1.64
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	17	1.64
(2,1028)	1:125:A:VAL:HG21	1:139:A:GLU:H	4	1.64
(2,1028)	1:125:A:VAL:HG22	1:139:A:GLU:H	4	1.64
(2,1028)	1:125:A:VAL:HG23	1:139:A:GLU:H	4	1.64
(2,1028)	1:125:A:VAL:HG21	1:139:A:GLU:H	6	1.64
(2,1028)	1:125:A:VAL:HG22	1:139:A:GLU:H	6	1.64
(2,1028)	1:125:A:VAL:HG23	1:139:A:GLU:H	6	1.64
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	19	1.64
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	7	1.64
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	7	1.64
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	20	1.63
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	17	1.63
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	4	1.63
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	1	1.63
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	19	1.63
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	13	1.63
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	13	1.63
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	13	1.63
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	13	1.63
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	13	1.63
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	13	1.63
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	5	1.63
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	5	1.63
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	5	1.63
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	5	1.63
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	5	1.63
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	5	1.63
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	5	1.63
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	5	1.63
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	5	1.63
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	1	1.63
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	1	1.63
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	1	1.63
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	12	1.63
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	12	1.63
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	12	1.63
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	14	1.63
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	14	1.63
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	14	1.63
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	6	1.63
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	6	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	6	1.63
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	15	1.63
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	15	1.63
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	15	1.63
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	15	1.63
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	15	1.63
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	15	1.63
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	15	1.63
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	15	1.63
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	15	1.63
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	15	1.63
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	9	1.63
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	5	1.63
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	5	1.63
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	5	1.63
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	10	1.63
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	10	1.63
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	10	1.63
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG21	20	1.63
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG22	20	1.63
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG23	20	1.63
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	17	1.63
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	17	1.63
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	17	1.63
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	18	1.63
(2,2237)	1:138:A:LEU:HD11	1:94:A:ARG:HD3	4	1.63
(2,2237)	1:138:A:LEU:HD12	1:94:A:ARG:HD3	4	1.63
(2,2237)	1:138:A:LEU:HD13	1:94:A:ARG:HD3	4	1.63
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	9	1.63
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	4	1.63
(2,1222)	1:125:A:VAL:HG21	1:140:A:GLY:H	14	1.63
(2,1222)	1:125:A:VAL:HG22	1:140:A:GLY:H	14	1.63
(2,1222)	1:125:A:VAL:HG23	1:140:A:GLY:H	14	1.63
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	7	1.63
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	7	1.63
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	7	1.63
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	19	1.63
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	19	1.63
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	19	1.63
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	19	1.63
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	19	1.63
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	17	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1028)	1:125:A:VAL:HG21	1:139:A:GLU:H	8	1.63
(2,1028)	1:125:A:VAL:HG22	1:139:A:GLU:H	8	1.63
(2,1028)	1:125:A:VAL:HG23	1:139:A:GLU:H	8	1.63
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	6	1.63
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	6	1.63
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	6	1.63
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	6	1.63
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	6	1.63
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	18	1.63
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	16	1.62
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	20	1.62
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	11	1.62
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	11	1.62
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	11	1.62
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	16	1.62
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	16	1.62
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	16	1.62
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	10	1.62
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	7	1.62
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	7	1.62
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	7	1.62
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	7	1.62
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	7	1.62
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	7	1.62
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	7	1.62
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	7	1.62
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	7	1.62
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	13	1.62
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	13	1.62
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	13	1.62
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	13	1.62
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	13	1.62
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	13	1.62
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	13	1.62
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	13	1.62
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	13	1.62
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	19	1.62
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	19	1.62
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	19	1.62
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	12	1.62
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	12	1.62
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	12	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	1	1.62
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	1	1.62
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	1	1.62
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	11	1.62
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	12	1.62
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	12	1.62
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	12	1.62
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	10	1.62
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	8	1.62
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	8	1.62
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	8	1.62
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	9	1.62
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	9	1.62
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	9	1.62
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	20	1.62
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	20	1.62
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	20	1.62
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	15	1.62
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	14	1.62
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	8	1.62
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	8	1.62
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	8	1.62
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	9	1.62
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	9	1.62
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	9	1.62
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	17	1.62
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	7	1.62
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	17	1.62
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG11	3	1.62
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG12	3	1.62
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG13	3	1.62
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG11	19	1.62
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG12	19	1.62
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG13	19	1.62
(2,1222)	1:125:A:VAL:HG21	1:140:A:GLY:H	8	1.62
(2,1222)	1:125:A:VAL:HG22	1:140:A:GLY:H	8	1.62
(2,1222)	1:125:A:VAL:HG23	1:140:A:GLY:H	8	1.62
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	3	1.62
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	2	1.62
(2,325)	1:63:A:ASP:HB3	1:69:A:ILE:H	2	1.62
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	17	1.62
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	8	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	9	1.61
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	9	1.61
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	18	1.61
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	18	1.61
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	18	1.61
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	18	1.61
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	18	1.61
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	18	1.61
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	18	1.61
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	18	1.61
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	18	1.61
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	14	1.61
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	14	1.61
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	14	1.61
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	4	1.61
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	4	1.61
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	4	1.61
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	4	1.61
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	4	1.61
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	4	1.61
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	4	1.61
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	4	1.61
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	4	1.61
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	13	1.61
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	16	1.61
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	2	1.61
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	14	1.61
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	7	1.61
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	2	1.61
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	2	1.61
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	2	1.61
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	11	1.61
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	11	1.61
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	11	1.61
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	12	1.61
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	12	1.61
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	12	1.61
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	8	1.61
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	5	1.61
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	10	1.61
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	10	1.61
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	10	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	15	1.61
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	15	1.61
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	15	1.61
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG11	7	1.61
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG12	7	1.61
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG13	7	1.61
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	5	1.61
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	12	1.61
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	19	1.61
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	14	1.6
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	7	1.6
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	20	1.6
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	18	1.6
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	13	1.6
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	13	1.6
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	13	1.6
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	12	1.6
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	12	1.6
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	12	1.6
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	17	1.6
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	17	1.6
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	17	1.6
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	17	1.6
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	17	1.6
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	17	1.6
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	17	1.6
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	17	1.6
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	17	1.6
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	4	1.6
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	4	1.6
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	4	1.6
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	17	1.6
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	17	1.6
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	17	1.6
(2,3421)	1:113:A:VAL:HG11	1:145:A:GLN:HA	14	1.6
(2,3421)	1:113:A:VAL:HG12	1:145:A:GLN:HA	14	1.6
(2,3421)	1:113:A:VAL:HG13	1:145:A:GLN:HA	14	1.6
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	1	1.6
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	1	1.6
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	1	1.6
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	5	1.6
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	5	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	5	1.6
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	9	1.6
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	9	1.6
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	9	1.6
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	12	1.6
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	12	1.6
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	12	1.6
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	12	1.6
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	12	1.6
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	12	1.6
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	12	1.6
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	12	1.6
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	12	1.6
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	9	1.6
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	9	1.6
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	9	1.6
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	17	1.6
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	10	1.6
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	10	1.6
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	10	1.6
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	3	1.6
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	3	1.6
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	3	1.6
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	3	1.6
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	1	1.6
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	3	1.6
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	3	1.6
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	3	1.6
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	10	1.6
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	10	1.6
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	10	1.6
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	13	1.6
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	13	1.6
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	13	1.6
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	17	1.6
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	17	1.6
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	17	1.6
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	20	1.6
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	20	1.6
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	20	1.6
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	12	1.6
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	2	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	6	1.6
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	15	1.6
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	9	1.6
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	9	1.6
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	9	1.6
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	9	1.6
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	7	1.6
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	16	1.59
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	19	1.59
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	20	1.59
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	15	1.59
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	15	1.59
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	15	1.59
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	15	1.59
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	15	1.59
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	15	1.59
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	15	1.59
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	15	1.59
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	15	1.59
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	9	1.59
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	9	1.59
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	9	1.59
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	9	1.59
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	9	1.59
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	9	1.59
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	9	1.59
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	9	1.59
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	9	1.59
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	13	1.59
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	13	1.59
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	13	1.59
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	3	1.59
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	3	1.59
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	3	1.59
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	1	1.59
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	1	1.59
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	1	1.59
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	16	1.59
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	16	1.59
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	16	1.59
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	16	1.59
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	16	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	16	1.59
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	1	1.59
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	1	1.59
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	1	1.59
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	1	1.59
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	1	1.59
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	1	1.59
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	1	1.59
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	1	1.59
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	1	1.59
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	16	1.59
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	16	1.59
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	16	1.59
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	3	1.59
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	11	1.59
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	11	1.59
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	11	1.59
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	13	1.59
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	13	1.59
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	8	1.59
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	5	1.59
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	5	1.59
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	5	1.59
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	7	1.59
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	7	1.59
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	7	1.59
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	18	1.59
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	18	1.59
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	18	1.59
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	2	1.59
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	2	1.59
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	2	1.59
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	1	1.59
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	14	1.59
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	18	1.59
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	17	1.59
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	8	1.59
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	8	1.59
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	8	1.59
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	8	1.59
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	10	1.59
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	18	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	17	1.59
(2,104)	1:129:A:ALA:HA	1:138:A:LEU:H	4	1.59
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	19	1.58
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	19	1.58
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	19	1.58
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	7	1.58
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	15	1.58
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	16	1.58
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	18	1.58
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	18	1.58
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	18	1.58
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG11	16	1.58
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG12	16	1.58
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG13	16	1.58
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	8	1.58
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	8	1.58
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	8	1.58
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	19	1.58
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	19	1.58
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	19	1.58
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	19	1.58
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	19	1.58
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	19	1.58
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	19	1.58
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	19	1.58
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	19	1.58
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	9	1.58
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	19	1.58
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	2	1.58
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	4	1.58
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	14	1.58
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	2	1.58
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	2	1.58
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	11	1.58
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	11	1.58
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	17	1.58
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	17	1.58
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	17	1.58
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	1	1.58
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	1	1.58
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	1	1.58
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	7	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	7	1.58
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	7	1.58
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	17	1.58
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	17	1.58
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	17	1.58
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG11	14	1.58
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG12	14	1.58
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG13	14	1.58
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	16	1.58
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	16	1.58
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	14	1.58
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	13	1.58
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	19	1.58
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	2	1.58
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	9	1.58
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	17	1.58
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	2	1.57
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	2	1.57
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	2	1.57
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	13	1.57
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE1	10	1.57
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE2	10	1.57
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	20	1.57
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	5	1.57
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	5	1.57
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	5	1.57
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	10	1.57
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	10	1.57
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	10	1.57
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	14	1.57
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	14	1.57
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	14	1.57
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	14	1.57
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	14	1.57
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	14	1.57
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	14	1.57
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	14	1.57
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	14	1.57
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	16	1.57
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	16	1.57
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	16	1.57
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	6	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	6	1.57
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	6	1.57
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	13	1.57
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	1	1.57
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	15	1.57
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	11	1.57
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	2	1.57
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	2	1.57
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	2	1.57
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	5	1.57
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	16	1.57
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	16	1.57
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	12	1.57
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	12	1.57
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	12	1.57
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	11	1.57
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	11	1.57
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	11	1.57
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	8	1.57
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	18	1.57
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	1	1.57
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	18	1.57
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	7	1.57
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	1	1.57
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	1	1.57
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	12	1.57
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	16	1.57
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	6	1.56
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	12	1.56
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	5	1.56
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	5	1.56
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	5	1.56
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	4	1.56
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	13	1.56
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	7	1.56
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	7	1.56
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	7	1.56
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	7	1.56
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	7	1.56
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	7	1.56
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	7	1.56
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	7	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	7	1.56
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	3	1.56
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	3	1.56
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	3	1.56
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	19	1.56
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	19	1.56
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	19	1.56
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	6	1.56
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	6	1.56
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	6	1.56
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	6	1.56
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	6	1.56
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	6	1.56
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	6	1.56
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	6	1.56
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	6	1.56
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	11	1.56
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	11	1.56
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	11	1.56
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	11	1.56
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	11	1.56
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	11	1.56
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	11	1.56
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	11	1.56
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	11	1.56
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	11	1.56
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	11	1.56
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	11	1.56
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	7	1.56
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	7	1.56
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	7	1.56
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	17	1.56
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	17	1.56
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	17	1.56
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	6	1.56
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	6	1.56
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	6	1.56
(2,3267)	1:138:A:LEU:HD11	1:96:A:LEU:HD11	4	1.56
(2,3267)	1:138:A:LEU:HD11	1:96:A:LEU:HD12	4	1.56
(2,3267)	1:138:A:LEU:HD11	1:96:A:LEU:HD13	4	1.56
(2,3267)	1:138:A:LEU:HD12	1:96:A:LEU:HD11	4	1.56
(2,3267)	1:138:A:LEU:HD12	1:96:A:LEU:HD12	4	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3267)	1:138:A:LEU:HD12	1:96:A:LEU:HD13	4	1.56
(2,3267)	1:138:A:LEU:HD13	1:96:A:LEU:HD11	4	1.56
(2,3267)	1:138:A:LEU:HD13	1:96:A:LEU:HD12	4	1.56
(2,3267)	1:138:A:LEU:HD13	1:96:A:LEU:HD13	4	1.56
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	7	1.56
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	16	1.56
(2,3127)	1:69:A:ILE:HG21	1:72:A:ARG:HG2	3	1.56
(2,3127)	1:69:A:ILE:HG22	1:72:A:ARG:HG2	3	1.56
(2,3127)	1:69:A:ILE:HG23	1:72:A:ARG:HG2	3	1.56
(2,2997)	1:96:A:LEU:HD21	1:85:A:LYS:HD3	18	1.56
(2,2997)	1:96:A:LEU:HD22	1:85:A:LYS:HD3	18	1.56
(2,2997)	1:96:A:LEU:HD23	1:85:A:LYS:HD3	18	1.56
(2,2995)	1:86:A:LEU:H	1:85:A:LYS:HD3	17	1.56
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	14	1.56
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	10	1.56
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	12	1.56
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	10	1.56
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	14	1.56
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	9	1.56
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	20	1.56
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	20	1.56
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	20	1.56
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	4	1.56
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	4	1.56
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	4	1.56
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	18	1.56
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	9	1.56
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	18	1.56
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	18	1.56
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	18	1.56
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	9	1.56
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	20	1.56
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	3	1.56
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	15	1.56
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	20	1.56
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	3	1.55
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	20	1.55
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	4	1.55
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	20	1.55
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	20	1.55
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	20	1.55
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	20	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	2	1.55
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	2	1.55
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	2	1.55
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	15	1.55
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	15	1.55
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	15	1.55
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	19	1.55
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	19	1.55
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	19	1.55
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	19	1.55
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	19	1.55
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	19	1.55
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	19	1.55
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	19	1.55
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	19	1.55
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	19	1.55
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	19	1.55
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	19	1.55
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	19	1.55
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	19	1.55
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	19	1.55
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	19	1.55
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	19	1.55
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	19	1.55
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	5	1.55
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	5	1.55
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	5	1.55
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	16	1.55
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	16	1.55
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	16	1.55
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	5	1.55
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	5	1.55
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	5	1.55
(2,3424)	1:123:A:VAL:HG21	1:124:A:GLU:H	15	1.55
(2,3424)	1:123:A:VAL:HG22	1:124:A:GLU:H	15	1.55
(2,3424)	1:123:A:VAL:HG23	1:124:A:GLU:H	15	1.55
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	20	1.55
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	20	1.55
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	20	1.55
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	13	1.55
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	13	1.55
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	13	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	9	1.55
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	9	1.55
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	9	1.55
(2,3253)	1:86:A:LEU:HD21	1:93:A:GLU:HB3	6	1.55
(2,3253)	1:86:A:LEU:HD22	1:93:A:GLU:HB3	6	1.55
(2,3253)	1:86:A:LEU:HD23	1:93:A:GLU:HB3	6	1.55
(2,3253)	1:86:A:LEU:HD21	1:93:A:GLU:HB2	6	1.55
(2,3253)	1:86:A:LEU:HD22	1:93:A:GLU:HB2	6	1.55
(2,3253)	1:86:A:LEU:HD23	1:93:A:GLU:HB2	6	1.55
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	4	1.55
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	6	1.55
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	11	1.55
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	11	1.55
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	11	1.55
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	11	1.55
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	11	1.55
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	11	1.55
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	20	1.55
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	20	1.55
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	20	1.55
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	12	1.55
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	12	1.55
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	12	1.55
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	10	1.55
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	10	1.55
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	10	1.55
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	14	1.55
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	14	1.55
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	14	1.55
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	12	1.55
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	12	1.55
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	12	1.55
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	12	1.55
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	20	1.55
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	20	1.55
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	20	1.55
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	20	1.55
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	2	1.55
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	2	1.55
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	2	1.55
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	11	1.55
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	11	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	11	1.55
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	18	1.55
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	18	1.55
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	18	1.55
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	4	1.55
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	13	1.55
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	13	1.55
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	13	1.55
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	9	1.55
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	6	1.55
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	9	1.55
(4,18)	1:68:A:ARG:HA	1:70:A:ASP:H	20	1.54
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	2	1.54
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	12	1.54
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	10	1.54
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	3	1.54
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	15	1.54
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	15	1.54
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	15	1.54
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	18	1.54
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	18	1.54
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	18	1.54
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	7	1.54
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	7	1.54
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	7	1.54
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	20	1.54
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	20	1.54
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	20	1.54
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	20	1.54
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	20	1.54
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	20	1.54
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	20	1.54
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	20	1.54
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	20	1.54
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	13	1.54
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	13	1.54
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	13	1.54
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	20	1.54
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	20	1.54
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	20	1.54
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	2	1.54
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	2	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	2	1.54
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	2	1.54
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	2	1.54
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	2	1.54
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	3	1.54
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	17	1.54
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	7	1.54
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	4	1.54
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	4	1.54
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	4	1.54
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	6	1.54
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	6	1.54
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	6	1.54
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	16	1.54
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	16	1.54
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	16	1.54
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	8	1.54
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	8	1.54
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	8	1.54
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	20	1.54
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	20	1.54
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	20	1.54
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	5	1.54
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	4	1.54
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	4	1.54
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	4	1.54
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	7	1.54
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	16	1.54
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	16	1.54
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	16	1.54
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	17	1.53
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	17	1.53
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	5	1.53
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	18	1.53
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	18	1.53
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	18	1.53
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	18	1.53
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	18	1.53
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	18	1.53
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	18	1.53
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	18	1.53
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	18	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	12	1.53
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	12	1.53
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	12	1.53
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	3	1.53
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	3	1.53
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	3	1.53
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	1	1.53
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	1	1.53
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	1	1.53
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	9	1.53
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	9	1.53
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	9	1.53
(2,3424)	1:123:A:VAL:HG21	1:124:A:GLU:H	12	1.53
(2,3424)	1:123:A:VAL:HG22	1:124:A:GLU:H	12	1.53
(2,3424)	1:123:A:VAL:HG23	1:124:A:GLU:H	12	1.53
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD11	9	1.53
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD12	9	1.53
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD13	9	1.53
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	13	1.53
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	13	1.53
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	13	1.53
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	13	1.53
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	13	1.53
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	13	1.53
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	13	1.53
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	13	1.53
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	13	1.53
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	20	1.53
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	20	1.53
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	20	1.53
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	20	1.53
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	20	1.53
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	20	1.53
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	17	1.53
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	15	1.53
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	15	1.53
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	15	1.53
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	20	1.53
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	9	1.53
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	9	1.53
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	9	1.53
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	16	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	20	1.53
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	13	1.53
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	13	1.53
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	13	1.53
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	5	1.53
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	5	1.53
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	5	1.53
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	9	1.53
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	9	1.53
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	9	1.53
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	17	1.53
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	17	1.53
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	17	1.53
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	1	1.53
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	1	1.53
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	1	1.53
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	14	1.53
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	14	1.53
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	14	1.53
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	14	1.53
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	14	1.53
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	14	1.53
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	18	1.53
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	7	1.53
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	2	1.53
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	3	1.53
(3,152)	1:53:A:LEU:H	1:46:A:SER:HB2	13	1.52
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	17	1.52
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	17	1.52
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	7	1.52
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	7	1.52
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	7	1.52
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	8	1.52
(2,2995)	1:86:A:LEU:H	1:85:A:LYS:HD3	10	1.52
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	18	1.52
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	18	1.52
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	18	1.52
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	6	1.52
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	19	1.52
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	19	1.52
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	19	1.52
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	11	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	11	1.52
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	11	1.52
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	4	1.52
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	4	1.52
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	4	1.52
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	20	1.52
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	5	1.52
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	5	1.52
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	5	1.52
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	2	1.52
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	15	1.52
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	15	1.52
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	15	1.52
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG11	4	1.52
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG12	4	1.52
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG13	4	1.52
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	3	1.52
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	3	1.52
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	3	1.52
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	15	1.52
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	11	1.52
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	10	1.51
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	16	1.51
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	2	1.51
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	13	1.51
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	13	1.51
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	13	1.51
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	19	1.51
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	19	1.51
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	19	1.51
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	18	1.51
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	18	1.51
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	18	1.51
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	9	1.51
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	9	1.51
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	9	1.51
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	9	1.51
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	9	1.51
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	9	1.51
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	9	1.51
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	9	1.51
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	9	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	9	1.51
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	9	1.51
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	9	1.51
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	8	1.51
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	8	1.51
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	8	1.51
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD11	5	1.51
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD12	5	1.51
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD13	5	1.51
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	12	1.51
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	12	1.51
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	12	1.51
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	11	1.51
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	19	1.51
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	19	1.51
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	19	1.51
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	16	1.51
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	12	1.51
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	1	1.51
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	7	1.51
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	7	1.51
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	7	1.51
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	10	1.51
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	10	1.51
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	10	1.51
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	9	1.51
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	9	1.51
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	9	1.51
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	20	1.51
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	20	1.51
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	20	1.51
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	16	1.51
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	16	1.51
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	6	1.51
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	2	1.51
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	2	1.51
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	2	1.51
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	2	1.51
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	9	1.51
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	4	1.51
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	4	1.51
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	4	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	14	1.51
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	14	1.51
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	14	1.51
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG11	2	1.51
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG12	2	1.51
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG13	2	1.51
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	2	1.51
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	9	1.51
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	9	1.51
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	9	1.51
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	3	1.51
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	9	1.51
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	9	1.51
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	9	1.51
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	8	1.51
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	15	1.51
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	16	1.5
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	13	1.5
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	17	1.5
(2,3597)	1:103:A:ILE:HG21	1:108:A:ARG:HD3	19	1.5
(2,3597)	1:103:A:ILE:HG22	1:108:A:ARG:HD3	19	1.5
(2,3597)	1:103:A:ILE:HG23	1:108:A:ARG:HD3	19	1.5
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	6	1.5
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	6	1.5
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	6	1.5
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	6	1.5
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	6	1.5
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	6	1.5
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	6	1.5
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	6	1.5
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	6	1.5
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	20	1.5
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	20	1.5
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	20	1.5
(2,3478)	1:123:A:VAL:HG21	1:142:A:LYS:HD2	18	1.5
(2,3478)	1:123:A:VAL:HG22	1:142:A:LYS:HD2	18	1.5
(2,3478)	1:123:A:VAL:HG23	1:142:A:LYS:HD2	18	1.5
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	13	1.5
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	13	1.5
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	13	1.5
(2,3424)	1:123:A:VAL:HG21	1:124:A:GLU:H	9	1.5
(2,3424)	1:123:A:VAL:HG22	1:124:A:GLU:H	9	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3424)	1:123:A:VAL:HG23	1:124:A:GLU:H	9	1.5
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	9	1.5
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	9	1.5
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	9	1.5
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	9	1.5
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	9	1.5
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	9	1.5
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	9	1.5
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	9	1.5
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	9	1.5
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD11	15	1.5
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD12	15	1.5
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD13	15	1.5
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	2	1.5
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	2	1.5
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	2	1.5
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	7	1.5
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	7	1.5
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	7	1.5
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	19	1.5
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	19	1.5
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	19	1.5
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	16	1.5
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	12	1.5
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	7	1.5
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	4	1.5
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	3	1.5
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	3	1.5
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	3	1.5
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	3	1.5
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	3	1.5
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	3	1.5
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	1	1.5
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	19	1.5
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	3	1.5
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	5	1.5
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	3	1.5
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	3	1.5
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	3	1.5
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	11	1.5
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	16	1.5
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	19	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	19	1.5
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	14	1.49
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	14	1.49
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	14	1.49
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	19	1.49
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	9	1.49
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	9	1.49
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	9	1.49
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	9	1.49
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	9	1.49
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	9	1.49
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	9	1.49
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	9	1.49
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	9	1.49
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	13	1.49
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	13	1.49
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	13	1.49
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	14	1.49
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	14	1.49
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	14	1.49
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	14	1.49
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	14	1.49
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	14	1.49
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	14	1.49
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	14	1.49
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	14	1.49
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	18	1.49
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	18	1.49
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	18	1.49
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	18	1.49
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	18	1.49
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	18	1.49
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	18	1.49
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	18	1.49
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	18	1.49
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	15	1.49
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	15	1.49
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	15	1.49
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	9	1.49
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	9	1.49
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	9	1.49
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	3	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	3	1.49
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	3	1.49
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	13	1.49
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	11	1.49
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	13	1.49
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	19	1.49
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	19	1.49
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	15	1.49
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	15	1.49
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	15	1.49
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	2	1.49
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	2	1.49
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	2	1.49
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	15	1.49
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	15	1.49
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	15	1.49
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	7	1.49
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	7	1.49
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	7	1.49
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	9	1.49
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	9	1.49
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	9	1.49
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	11	1.49
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	12	1.49
(2,33)	1:127:A:ALA:H	1:126:A:LYS:HG3	4	1.49
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	13	1.49
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	18	1.49
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	3	1.48
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	3	1.48
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	3	1.48
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	3	1.48
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	3	1.48
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	3	1.48
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	3	1.48
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	3	1.48
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	3	1.48
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	12	1.48
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	12	1.48
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	12	1.48
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	12	1.48
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	12	1.48
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	12	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	12	1.48
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	12	1.48
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	12	1.48
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	6	1.48
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	6	1.48
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	6	1.48
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	18	1.48
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	18	1.48
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	18	1.48
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE1	19	1.48
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE2	19	1.48
(2,3490)	1:53:A:LEU:HD11	1:51:A:MET:HE3	19	1.48
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE1	19	1.48
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE2	19	1.48
(2,3490)	1:53:A:LEU:HD12	1:51:A:MET:HE3	19	1.48
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE1	19	1.48
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE2	19	1.48
(2,3490)	1:53:A:LEU:HD13	1:51:A:MET:HE3	19	1.48
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	14	1.48
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	14	1.48
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	14	1.48
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	3	1.48
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	3	1.48
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	3	1.48
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	20	1.48
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	20	1.48
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	20	1.48
(2,3424)	1:123:A:VAL:HG21	1:124:A:GLU:H	14	1.48
(2,3424)	1:123:A:VAL:HG22	1:124:A:GLU:H	14	1.48
(2,3424)	1:123:A:VAL:HG23	1:124:A:GLU:H	14	1.48
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD11	6	1.48
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD12	6	1.48
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD13	6	1.48
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD11	17	1.48
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD12	17	1.48
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD13	17	1.48
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	8	1.48
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	8	1.48
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	8	1.48
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	8	1.48
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	8	1.48
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	8	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	8	1.48
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	8	1.48
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	8	1.48
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	16	1.48
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	6	1.48
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	6	1.48
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	6	1.48
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	11	1.48
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	5	1.48
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	5	1.48
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	5	1.48
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	18	1.48
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	18	1.48
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	18	1.48
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	7	1.48
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	13	1.48
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	12	1.48
(2,1755)	1:56:A:VAL:HG11	1:59:A:GLU:HA	20	1.48
(2,1755)	1:56:A:VAL:HG12	1:59:A:GLU:HA	20	1.48
(2,1755)	1:56:A:VAL:HG13	1:59:A:GLU:HA	20	1.48
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	6	1.48
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	6	1.48
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	6	1.48
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	8	1.48
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	2	1.48
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	2	1.48
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	10	1.48
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	10	1.48
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	10	1.48
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	10	1.48
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	10	1.48
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	18	1.47
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	8	1.47
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	20	1.47
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	20	1.47
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	20	1.47
(3,83)	1:53:A:LEU:HD21	1:31:A:ARG:HD3	10	1.47
(3,83)	1:53:A:LEU:HD22	1:31:A:ARG:HD3	10	1.47
(3,83)	1:53:A:LEU:HD23	1:31:A:ARG:HD3	10	1.47
(3,83)	1:53:A:LEU:HD21	1:31:A:ARG:HD2	10	1.47
(3,83)	1:53:A:LEU:HD22	1:31:A:ARG:HD2	10	1.47
(3,83)	1:53:A:LEU:HD23	1:31:A:ARG:HD2	10	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	19	1.47
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	13	1.47
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	13	1.47
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	13	1.47
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	6	1.47
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	6	1.47
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	6	1.47
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	6	1.47
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	6	1.47
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	6	1.47
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	6	1.47
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	6	1.47
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	6	1.47
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	4	1.47
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	4	1.47
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	4	1.47
(2,3424)	1:123:A:VAL:HG21	1:124:A:GLU:H	4	1.47
(2,3424)	1:123:A:VAL:HG22	1:124:A:GLU:H	4	1.47
(2,3424)	1:123:A:VAL:HG23	1:124:A:GLU:H	4	1.47
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	13	1.47
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	13	1.47
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	13	1.47
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	18	1.47
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	18	1.47
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	18	1.47
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	8	1.47
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	2	1.47
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	18	1.47
(2,2470)	1:69:A:ILE:HB	1:72:A:ARG:HG2	3	1.47
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	19	1.47
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	14	1.47
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	4	1.47
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	4	1.47
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	14	1.47
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	14	1.47
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	8	1.47
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	8	1.47
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	8	1.47
(2,1756)	1:137:A:ILE:HD11	1:138:A:LEU:HA	12	1.47
(2,1756)	1:137:A:ILE:HD12	1:138:A:LEU:HA	12	1.47
(2,1756)	1:137:A:ILE:HD13	1:138:A:LEU:HA	12	1.47
(2,1739)	1:56:A:VAL:HG11	1:58:A:GLU:HA	15	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1739)	1:56:A:VAL:HG12	1:58:A:GLU:HA	15	1.47
(2,1739)	1:56:A:VAL:HG13	1:58:A:GLU:HA	15	1.47
(2,1041)	1:21:A:LEU:HD21	1:23:A:THR:H	7	1.47
(2,1041)	1:21:A:LEU:HD22	1:23:A:THR:H	7	1.47
(2,1041)	1:21:A:LEU:HD23	1:23:A:THR:H	7	1.47
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	17	1.47
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	17	1.47
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	17	1.47
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	15	1.47
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	15	1.47
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	15	1.47
(2,714)	1:97:A:VAL:HB	1:101:A:ALA:H	19	1.47
(2,333)	1:63:A:ASP:HB2	1:66:A:ALA:H	9	1.47
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	6	1.46
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	6	1.46
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	17	1.46
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	17	1.46
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	17	1.46
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	2	1.46
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	2	1.46
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	2	1.46
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	3	1.46
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	3	1.46
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	3	1.46
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	3	1.46
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	3	1.46
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	3	1.46
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	3	1.46
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	3	1.46
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	3	1.46
(2,3481)	1:123:A:VAL:HG11	1:142:A:LYS:HD2	12	1.46
(2,3481)	1:123:A:VAL:HG12	1:142:A:LYS:HD2	12	1.46
(2,3481)	1:123:A:VAL:HG13	1:142:A:LYS:HD2	12	1.46
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	10	1.46
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	10	1.46
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	10	1.46
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	10	1.46
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	10	1.46
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	10	1.46
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	10	1.46
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	10	1.46
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	10	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	1	1.46
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	1	1.46
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	1	1.46
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	1	1.46
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	1	1.46
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	1	1.46
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	19	1.46
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	19	1.46
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	19	1.46
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	8	1.46
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	1	1.46
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	1	1.46
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	1	1.46
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	2	1.46
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	2	1.46
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	2	1.46
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	20	1.46
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	20	1.46
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	20	1.46
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	16	1.46
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	4	1.46
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	4	1.46
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	4	1.46
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	4	1.46
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	4	1.46
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	4	1.46
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	7	1.46
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	7	1.46
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	7	1.46
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	7	1.46
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	7	1.46
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	7	1.46
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	13	1.46
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	13	1.46
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	13	1.46
(2,2068)	1:84:A:VAL:HG21	1:141:A:LEU:HB2	18	1.46
(2,2068)	1:84:A:VAL:HG22	1:141:A:LEU:HB2	18	1.46
(2,2068)	1:84:A:VAL:HG23	1:141:A:LEU:HB2	18	1.46
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	1	1.46
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	8	1.46
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	8	1.46
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	8	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	2	1.46
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	10	1.46
(1,382)	1:56:A:VAL:HG11	1:31:A:ARG:HD3	10	1.46
(1,382)	1:56:A:VAL:HG12	1:31:A:ARG:HD3	10	1.46
(1,382)	1:56:A:VAL:HG13	1:31:A:ARG:HD3	10	1.46
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	14	1.45
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	4	1.45
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	2	1.45
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	2	1.45
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	2	1.45
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	13	1.45
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	13	1.45
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	13	1.45
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	18	1.45
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	18	1.45
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	18	1.45
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	9	1.45
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	9	1.45
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	9	1.45
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	9	1.45
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	9	1.45
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	9	1.45
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	9	1.45
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	9	1.45
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	9	1.45
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	2	1.45
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	2	1.45
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	2	1.45
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	2	1.45
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	2	1.45
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	2	1.45
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	2	1.45
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	2	1.45
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	2	1.45
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	2	1.45
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	2	1.45
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	2	1.45
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	2	1.45
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	2	1.45
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	2	1.45
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	2	1.45
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	2	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	2	1.45
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	7	1.45
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	7	1.45
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	7	1.45
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	10	1.45
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	10	1.45
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	10	1.45
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	18	1.45
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	18	1.45
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	18	1.45
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	18	1.45
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	18	1.45
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	18	1.45
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	18	1.45
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	18	1.45
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	18	1.45
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	13	1.45
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	13	1.45
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	13	1.45
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	4	1.45
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	4	1.45
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	4	1.45
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	10	1.45
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	10	1.45
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	10	1.45
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	12	1.45
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	3	1.45
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	3	1.45
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	3	1.45
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	14	1.45
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	1	1.45
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	1	1.45
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	14	1.45
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	14	1.45
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	14	1.45
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	8	1.45
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	8	1.45
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	8	1.45
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	15	1.45
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	12	1.45
(2,804)	1:46:A:SER:HB2	1:54:A:ILE:H	15	1.45
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	20	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	20	1.45
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	20	1.45
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	14	1.45
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	2	1.45
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	6	1.44
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	13	1.44
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	3	1.44
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	3	1.44
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	3	1.44
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	9	1.44
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	9	1.44
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	9	1.44
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	9	1.44
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	9	1.44
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	9	1.44
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	9	1.44
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	9	1.44
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	9	1.44
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	20	1.44
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	20	1.44
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	20	1.44
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	5	1.44
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	5	1.44
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	5	1.44
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	5	1.44
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	5	1.44
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	5	1.44
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	5	1.44
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	5	1.44
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	5	1.44
(2,3479)	1:123:A:VAL:HG11	1:137:A:ILE:HG13	9	1.44
(2,3479)	1:123:A:VAL:HG12	1:137:A:ILE:HG13	9	1.44
(2,3479)	1:123:A:VAL:HG13	1:137:A:ILE:HG13	9	1.44
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	2	1.44
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	2	1.44
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	2	1.44
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	10	1.44
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	10	1.44
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	10	1.44
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	20	1.44
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	3	1.44
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	5	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2995)	1:86:A:LEU:H	1:85:A:LYS:HD3	6	1.44
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	12	1.44
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	12	1.44
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	12	1.44
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	8	1.44
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	10	1.44
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	10	1.44
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	10	1.44
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	18	1.44
(2,1222)	1:125:A:VAL:HG21	1:140:A:GLY:H	2	1.44
(2,1222)	1:125:A:VAL:HG22	1:140:A:GLY:H	2	1.44
(2,1222)	1:125:A:VAL:HG23	1:140:A:GLY:H	2	1.44
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	8	1.44
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	8	1.44
(2,1028)	1:125:A:VAL:HG21	1:139:A:GLU:H	2	1.44
(2,1028)	1:125:A:VAL:HG22	1:139:A:GLU:H	2	1.44
(2,1028)	1:125:A:VAL:HG23	1:139:A:GLU:H	2	1.44
(2,804)	1:46:A:SER:HB2	1:54:A:ILE:H	13	1.44
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	19	1.44
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	15	1.44
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	15	1.44
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	15	1.44
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	12	1.44
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	12	1.44
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	12	1.44
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	2	1.44
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	15	1.44
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	15	1.44
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	20	1.44
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	20	1.44
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	2	1.43
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	10	1.43
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	20	1.43
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	13	1.43
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	7	1.43
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	7	1.43
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	7	1.43
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	1	1.43
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	1	1.43
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	1	1.43
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	1	1.43
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	1	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	1	1.43
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	1	1.43
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	1	1.43
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	1	1.43
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	7	1.43
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	7	1.43
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	7	1.43
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	15	1.43
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	15	1.43
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	15	1.43
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	7	1.43
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	7	1.43
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	7	1.43
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	10	1.43
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	10	1.43
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	10	1.43
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	11	1.43
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	11	1.43
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	11	1.43
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	7	1.43
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	7	1.43
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	7	1.43
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	10	1.43
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	10	1.43
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	10	1.43
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	8	1.43
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	8	1.43
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	8	1.43
(2,2614)	1:138:A:LEU:HD11	1:94:A:ARG:HB3	4	1.43
(2,2614)	1:138:A:LEU:HD12	1:94:A:ARG:HB3	4	1.43
(2,2614)	1:138:A:LEU:HD13	1:94:A:ARG:HB3	4	1.43
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	19	1.43
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	19	1.43
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	19	1.43
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	19	1.43
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	12	1.43
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	12	1.43
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	12	1.43
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	17	1.43
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	17	1.43
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD11	14	1.43
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD12	14	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD13	14	1.43
(2,1028)	1:125:A:VAL:HG21	1:139:A:GLU:H	19	1.43
(2,1028)	1:125:A:VAL:HG22	1:139:A:GLU:H	19	1.43
(2,1028)	1:125:A:VAL:HG23	1:139:A:GLU:H	19	1.43
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	12	1.43
(2,714)	1:97:A:VAL:HB	1:101:A:ALA:H	20	1.43
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	3	1.43
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	3	1.43
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	3	1.42
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	13	1.42
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	13	1.42
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	13	1.42
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	2	1.42
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	19	1.42
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	19	1.42
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	19	1.42
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	17	1.42
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	17	1.42
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	17	1.42
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	16	1.42
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	16	1.42
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	16	1.42
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	16	1.42
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	16	1.42
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	16	1.42
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	16	1.42
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	16	1.42
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	16	1.42
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	16	1.42
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	16	1.42
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	16	1.42
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	6	1.42
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	6	1.42
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	6	1.42
(2,3439)	1:123:A:VAL:HG21	1:110:A:ILE:HG13	10	1.42
(2,3439)	1:123:A:VAL:HG22	1:110:A:ILE:HG13	10	1.42
(2,3439)	1:123:A:VAL:HG23	1:110:A:ILE:HG13	10	1.42
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	3	1.42
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	3	1.42
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	3	1.42
(2,2995)	1:86:A:LEU:H	1:85:A:LYS:HD3	1	1.42
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	1	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	1	1.42
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	1	1.42
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	20	1.42
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	20	1.42
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	20	1.42
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	14	1.42
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	9	1.42
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	7	1.42
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	7	1.42
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	7	1.42
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	7	1.42
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	7	1.42
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	20	1.42
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	5	1.42
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	5	1.42
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	10	1.42
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	10	1.42
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	10	1.42
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	2	1.42
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	5	1.42
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	5	1.42
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	5	1.42
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	7	1.42
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	7	1.42
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	9	1.42
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	9	1.42
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	9	1.42
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	6	1.42
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	6	1.42
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	6	1.42
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	16	1.42
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	16	1.42
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	16	1.42
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	2	1.42
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	3	1.42
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	6	1.42
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	10	1.42
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	11	1.42
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	1	1.42
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	1	1.42
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	18	1.41
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	18	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	18	1.41
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	4	1.41
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	11	1.41
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	13	1.41
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	13	1.41
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	13	1.41
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	12	1.41
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	12	1.41
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	12	1.41
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	7	1.41
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	7	1.41
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	7	1.41
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	6	1.41
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	6	1.41
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	6	1.41
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	6	1.41
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	6	1.41
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	6	1.41
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	6	1.41
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	6	1.41
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	6	1.41
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	11	1.41
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	11	1.41
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	11	1.41
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	7	1.41
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	7	1.41
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	7	1.41
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	7	1.41
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	7	1.41
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	7	1.41
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	7	1.41
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	7	1.41
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	7	1.41
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	19	1.41
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	19	1.41
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	19	1.41
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	18	1.41
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	6	1.41
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	6	1.41
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	6	1.41
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	11	1.41
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	20	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	20	1.41
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	20	1.41
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	20	1.41
(2,1879)	1:97:A:VAL:HG21	1:96:A:LEU:HA	16	1.41
(2,1879)	1:97:A:VAL:HG22	1:96:A:LEU:HA	16	1.41
(2,1879)	1:97:A:VAL:HG23	1:96:A:LEU:HA	16	1.41
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	14	1.41
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	14	1.41
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	14	1.41
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	19	1.41
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	20	1.41
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	20	1.41
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	20	1.41
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	3	1.41
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	15	1.41
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	15	1.41
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	15	1.41
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	7	1.41
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	7	1.41
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	7	1.41
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	13	1.41
(2,333)	1:63:A:ASP:HB2	1:66:A:ALA:H	14	1.41
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG21	16	1.41
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG22	16	1.41
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG23	16	1.41
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	6	1.41
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	4	1.41
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	13	1.41
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	15	1.41
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	13	1.41
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	13	1.41
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	19	1.41
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	19	1.41
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	17	1.4
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	6	1.4
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	6	1.4
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	6	1.4
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	8	1.4
(3,6)	1:33:A:PRO:HD2	1:30:A:TRP:HD1	2	1.4
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	18	1.4
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	18	1.4
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	18	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	6	1.4
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	6	1.4
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	6	1.4
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	11	1.4
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	11	1.4
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	11	1.4
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	5	1.4
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	5	1.4
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	5	1.4
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	6	1.4
(2,2995)	1:86:A:LEU:H	1:85:A:LYS:HD3	14	1.4
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	3	1.4
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	3	1.4
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	3	1.4
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	7	1.4
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	7	1.4
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	7	1.4
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	6	1.4
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	5	1.4
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	5	1.4
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	6	1.4
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	6	1.4
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	6	1.4
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	19	1.4
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	14	1.4
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	14	1.4
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	14	1.4
(2,1879)	1:97:A:VAL:HG21	1:96:A:LEU:HA	19	1.4
(2,1879)	1:97:A:VAL:HG22	1:96:A:LEU:HA	19	1.4
(2,1879)	1:97:A:VAL:HG23	1:96:A:LEU:HA	19	1.4
(2,1879)	1:97:A:VAL:HG21	1:96:A:LEU:HA	20	1.4
(2,1879)	1:97:A:VAL:HG22	1:96:A:LEU:HA	20	1.4
(2,1879)	1:97:A:VAL:HG23	1:96:A:LEU:HA	20	1.4
(2,1700)	1:67:A:VAL:HG11	1:60:A:GLU:HA	15	1.4
(2,1700)	1:67:A:VAL:HG12	1:60:A:GLU:HA	15	1.4
(2,1700)	1:67:A:VAL:HG13	1:60:A:GLU:HA	15	1.4
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	5	1.4
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	12	1.4
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	13	1.4
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	20	1.4
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	9	1.4
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	15	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	2	1.4
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	18	1.4
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	18	1.4
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	18	1.4
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	12	1.4
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	12	1.4
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	12	1.4
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	17	1.4
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	17	1.4
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	17	1.4
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	20	1.4
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	20	1.4
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	20	1.4
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD11	16	1.4
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD12	16	1.4
(2,656)	1:100:A:GLU:H	1:103:A:ILE:HD13	16	1.4
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	6	1.4
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	19	1.4
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	10	1.4
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	5	1.4
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	11	1.4
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	12	1.4
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	16	1.4
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	14	1.4
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	14	1.4
(3,152)	1:53:A:LEU:H	1:46:A:SER:HB2	15	1.39
(3,152)	1:53:A:LEU:H	1:46:A:SER:HB2	17	1.39
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	10	1.39
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	6	1.39
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	19	1.39
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	5	1.39
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	5	1.39
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	5	1.39
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	6	1.39
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	6	1.39
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	6	1.39
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	13	1.39
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	13	1.39
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	13	1.39
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	13	1.39
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	13	1.39
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	13	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	13	1.39
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	13	1.39
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	13	1.39
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	9	1.39
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	9	1.39
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	9	1.39
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	20	1.39
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	20	1.39
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	20	1.39
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	20	1.39
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	20	1.39
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	20	1.39
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	20	1.39
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	20	1.39
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	20	1.39
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	16	1.39
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	16	1.39
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	16	1.39
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	6	1.39
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	6	1.39
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	6	1.39
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	6	1.39
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	6	1.39
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	6	1.39
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	6	1.39
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	6	1.39
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	6	1.39
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	15	1.39
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	15	1.39
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	15	1.39
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	1	1.39
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	15	1.39
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	15	1.39
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	15	1.39
(2,3113)	1:26:A:ARG:HG3	1:25:A:LYS:H	10	1.39
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	12	1.39
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	19	1.39
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	19	1.39
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	19	1.39
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	19	1.39
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	19	1.39
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	19	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	14	1.39
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	14	1.39
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	14	1.39
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	17	1.39
(2,2597)	1:142:A:LYS:HB2	1:145:A:GLN:HG2	5	1.39
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	7	1.39
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	8	1.39
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	8	1.39
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	8	1.39
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	7	1.39
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	3	1.39
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	7	1.39
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	20	1.39
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	2	1.39
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	2	1.39
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	2	1.39
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	19	1.39
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	2	1.39
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	2	1.39
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	2	1.39
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	2	1.39
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	3	1.39
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	3	1.39
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	3	1.39
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	19	1.39
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	19	1.39
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	19	1.39
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	14	1.39
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	5	1.39
(1,382)	1:56:A:VAL:HG11	1:31:A:ARG:HD3	2	1.39
(1,382)	1:56:A:VAL:HG12	1:31:A:ARG:HD3	2	1.39
(1,382)	1:56:A:VAL:HG13	1:31:A:ARG:HD3	2	1.39
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	11	1.39
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	3	1.39
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	3	1.39
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	11	1.39
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	11	1.39
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	11	1.38
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	8	1.38
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	5	1.38
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	5	1.38
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	5	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	5	1.38
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	5	1.38
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	5	1.38
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	5	1.38
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	5	1.38
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	5	1.38
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	19	1.38
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	19	1.38
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	19	1.38
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	19	1.38
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	19	1.38
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	19	1.38
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	19	1.38
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	19	1.38
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	19	1.38
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	8	1.38
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	8	1.38
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	8	1.38
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	8	1.38
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	8	1.38
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	8	1.38
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	8	1.38
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	8	1.38
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	8	1.38
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	10	1.38
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	10	1.38
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	10	1.38
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	17	1.38
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	17	1.38
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	17	1.38
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	11	1.38
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	11	1.38
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	11	1.38
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	12	1.38
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	12	1.38
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	12	1.38
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	11	1.38
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	11	1.38
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	11	1.38
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	11	1.38
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	11	1.38
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	11	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	15	1.38
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	6	1.38
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	6	1.38
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	6	1.38
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	7	1.38
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	7	1.38
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	7	1.38
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	15	1.38
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	15	1.38
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	15	1.38
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	15	1.38
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	15	1.38
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	15	1.38
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	13	1.38
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	13	1.38
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	13	1.38
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	9	1.38
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	16	1.38
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	16	1.38
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	16	1.38
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	13	1.38
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	6	1.38
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	6	1.38
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	16	1.38
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	16	1.38
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	5	1.38
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	11	1.38
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	11	1.38
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	11	1.38
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	6	1.38
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	7	1.38
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	6	1.38
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	13	1.38
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	15	1.38
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	15	1.38
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	15	1.38
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	6	1.38
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	6	1.38
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	6	1.38
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	14	1.38
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	5	1.38
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	19	1.38
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	5	1.38
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	5	1.38
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	8	1.38
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	8	1.38
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	9	1.37
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	9	1.37
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	9	1.37
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	15	1.37
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	15	1.37
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	15	1.37
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	15	1.37
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	15	1.37
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	15	1.37
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	15	1.37
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	15	1.37
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	15	1.37
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	17	1.37
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	17	1.37
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	17	1.37
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	17	1.37
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	17	1.37
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	17	1.37
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	17	1.37
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	17	1.37
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	17	1.37
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	5	1.37
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	5	1.37
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	5	1.37
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	19	1.37
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	19	1.37
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	19	1.37
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	20	1.37
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	20	1.37
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	20	1.37
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	9	1.37
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	9	1.37
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	9	1.37
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	11	1.37
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	11	1.37
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	11	1.37
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	11	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	11	1.37
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	11	1.37
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	11	1.37
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	11	1.37
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	11	1.37
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	12	1.37
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	12	1.37
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	12	1.37
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	12	1.37
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	12	1.37
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	12	1.37
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	12	1.37
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	12	1.37
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	12	1.37
(2,3479)	1:123:A:VAL:HG11	1:137:A:ILE:HG13	15	1.37
(2,3479)	1:123:A:VAL:HG12	1:137:A:ILE:HG13	15	1.37
(2,3479)	1:123:A:VAL:HG13	1:137:A:ILE:HG13	15	1.37
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	12	1.37
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	12	1.37
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	12	1.37
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG21	4	1.37
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG22	4	1.37
(2,3462)	1:79:A:VAL:HG21	1:81:A:THR:HG23	4	1.37
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG21	4	1.37
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG22	4	1.37
(2,3462)	1:79:A:VAL:HG22	1:81:A:THR:HG23	4	1.37
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG21	4	1.37
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG22	4	1.37
(2,3462)	1:79:A:VAL:HG23	1:81:A:THR:HG23	4	1.37
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	12	1.37
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	12	1.37
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	12	1.37
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	12	1.37
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	12	1.37
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	12	1.37
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	12	1.37
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	12	1.37
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	12	1.37
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB1	15	1.37
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB2	15	1.37
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB3	15	1.37
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB1	15	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB2	15	1.37
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB3	15	1.37
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB1	15	1.37
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB2	15	1.37
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB3	15	1.37
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	2	1.37
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	2	1.37
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	2	1.37
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	15	1.37
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	15	1.37
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	15	1.37
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	8	1.37
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	8	1.37
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	8	1.37
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	14	1.37
(2,2995)	1:86:A:LEU:H	1:85:A:LYS:HD3	16	1.37
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	7	1.37
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	8	1.37
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	8	1.37
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	8	1.37
(2,2375)	1:32:A:ASP:HB3	1:34:A:MET:HB2	6	1.37
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	13	1.37
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	13	1.37
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	16	1.37
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	16	1.37
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	16	1.37
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	9	1.37
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	11	1.37
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	7	1.37
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	7	1.37
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	7	1.37
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	1	1.37
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	1	1.37
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	1	1.37
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	1	1.37
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	1	1.37
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	1	1.37
(2,1879)	1:97:A:VAL:HG21	1:96:A:LEU:HA	18	1.37
(2,1879)	1:97:A:VAL:HG22	1:96:A:LEU:HA	18	1.37
(2,1879)	1:97:A:VAL:HG23	1:96:A:LEU:HA	18	1.37
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	9	1.37
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	9	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	9	1.37
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	14	1.37
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	16	1.37
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	16	1.37
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	8	1.37
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	8	1.37
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	8	1.37
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	12	1.37
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	1	1.37
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	17	1.37
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	5	1.37
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	17	1.37
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	17	1.37
(1,192)	1:53:A:LEU:HD21	1:32:A:ASP:HA	10	1.37
(1,192)	1:53:A:LEU:HD22	1:32:A:ASP:HA	10	1.37
(1,192)	1:53:A:LEU:HD23	1:32:A:ASP:HA	10	1.37
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	16	1.37
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	16	1.37
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	16	1.37
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	13	1.37
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	12	1.36
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	12	1.36
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	11	1.36
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	7	1.36
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	7	1.36
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	7	1.36
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	3	1.36
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	3	1.36
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	3	1.36
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	3	1.36
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	3	1.36
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	3	1.36
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	3	1.36
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	3	1.36
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	3	1.36
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	3	1.36
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	3	1.36
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	3	1.36
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE1	4	1.36
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE2	4	1.36
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE3	4	1.36
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	4	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	4	1.36
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	4	1.36
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	4	1.36
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	4	1.36
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	4	1.36
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	4	1.36
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	4	1.36
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	4	1.36
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	5	1.36
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	17	1.36
(2,2801)	1:19:A:ALA:HB1	1:22:A:LYS:HB3	12	1.36
(2,2801)	1:19:A:ALA:HB2	1:22:A:LYS:HB3	12	1.36
(2,2801)	1:19:A:ALA:HB3	1:22:A:LYS:HB3	12	1.36
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	19	1.36
(2,2375)	1:32:A:ASP:HB3	1:34:A:MET:HB2	20	1.36
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	18	1.36
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	18	1.36
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	18	1.36
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	8	1.36
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	8	1.36
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	8	1.36
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	11	1.36
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	11	1.36
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	15	1.36
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	15	1.36
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	11	1.36
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	11	1.36
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	11	1.36
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	18	1.36
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	14	1.36
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	3	1.36
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	3	1.36
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	3	1.36
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	7	1.36
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	7	1.36
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	7	1.36
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	20	1.36
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	20	1.36
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	20	1.36
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	19	1.36
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	9	1.36
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	9	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	9	1.36
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	17	1.36
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	2	1.36
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	2	1.36
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	2	1.36
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	7	1.36
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	16	1.36
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	20	1.36
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	3	1.36
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	12	1.36
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	2	1.36
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	2	1.36
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	6	1.36
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	6	1.36
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	12	1.36
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	12	1.36
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	17	1.36
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	17	1.36
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	1	1.35
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	1	1.35
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	7	1.35
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	7	1.35
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	7	1.35
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	15	1.35
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	2	1.35
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	18	1.35
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	10	1.35
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	10	1.35
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	10	1.35
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	10	1.35
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	10	1.35
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	10	1.35
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	10	1.35
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	10	1.35
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	10	1.35
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	6	1.35
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	6	1.35
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	6	1.35
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	9	1.35
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	9	1.35
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	9	1.35
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	18	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	18	1.35
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	18	1.35
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	18	1.35
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	18	1.35
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	18	1.35
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	18	1.35
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	18	1.35
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	18	1.35
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	3	1.35
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	3	1.35
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	3	1.35
(2,2597)	1:142:A:LYS:HB2	1:145:A:GLN:HG2	1	1.35
(2,2533)	1:86:A:LEU:HD11	1:145:A:GLN:HG2	3	1.35
(2,2533)	1:86:A:LEU:HD12	1:145:A:GLN:HG2	3	1.35
(2,2533)	1:86:A:LEU:HD13	1:145:A:GLN:HG2	3	1.35
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	14	1.35
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	14	1.35
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	14	1.35
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	8	1.35
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	8	1.35
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	8	1.35
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	6	1.35
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	6	1.35
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	6	1.35
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	8	1.35
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	8	1.35
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	6	1.35
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	6	1.35
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	6	1.35
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	6	1.35
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	6	1.35
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	6	1.35
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	8	1.35
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	18	1.35
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	1	1.35
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	4	1.35
(2,1222)	1:125:A:VAL:HG21	1:140:A:GLY:H	19	1.35
(2,1222)	1:125:A:VAL:HG22	1:140:A:GLY:H	19	1.35
(2,1222)	1:125:A:VAL:HG23	1:140:A:GLY:H	19	1.35
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	19	1.35
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	19	1.35
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	4	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	4	1.35
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	4	1.35
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	20	1.35
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	20	1.35
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	20	1.35
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	6	1.35
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	6	1.35
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	6	1.35
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	6	1.35
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	6	1.35
(2,714)	1:97:A:VAL:HB	1:101:A:ALA:H	16	1.35
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	7	1.35
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	9	1.35
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	5	1.35
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	5	1.34
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	5	1.34
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	5	1.34
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	5	1.34
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	5	1.34
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	5	1.34
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	5	1.34
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	5	1.34
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	5	1.34
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	20	1.34
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	20	1.34
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	20	1.34
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	20	1.34
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	20	1.34
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	20	1.34
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	20	1.34
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	20	1.34
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	20	1.34
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	12	1.34
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	12	1.34
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	12	1.34
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	12	1.34
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	12	1.34
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	12	1.34
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	12	1.34
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	12	1.34
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	12	1.34
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	2	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	2	1.34
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	2	1.34
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	2	1.34
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	2	1.34
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	2	1.34
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	6	1.34
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	6	1.34
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	6	1.34
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	4	1.34
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	17	1.34
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	17	1.34
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	17	1.34
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	14	1.34
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	14	1.34
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	14	1.34
(2,3061)	1:110:A:ILE:HG13	1:109:A:THR:H	20	1.34
(2,3002)	1:85:A:LYS:HA	1:85:A:LYS:HD3	10	1.34
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	2	1.34
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	2	1.34
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	12	1.34
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	3	1.34
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	3	1.34
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	3	1.34
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	18	1.34
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	2	1.34
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	3	1.34
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	6	1.34
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	7	1.34
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	9	1.34
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	3	1.34
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	13	1.34
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	8	1.34
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	8	1.34
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	18	1.34
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	5	1.34
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	5	1.34
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	5	1.34
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	15	1.34
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	7	1.34
(4,106)	1:145:A:GLN:H	1:146:A:GLN:HG3	5	1.33
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	3	1.33
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	19	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	15	1.33
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	15	1.33
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	15	1.33
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	3	1.33
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	3	1.33
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	3	1.33
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	3	1.33
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	3	1.33
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	3	1.33
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	3	1.33
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	3	1.33
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	3	1.33
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	19	1.33
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	19	1.33
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	19	1.33
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	19	1.33
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	19	1.33
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	19	1.33
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	19	1.33
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	19	1.33
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	19	1.33
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	15	1.33
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	15	1.33
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	15	1.33
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	1	1.33
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	1	1.33
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	1	1.33
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	10	1.33
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	10	1.33
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	10	1.33
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	10	1.33
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	10	1.33
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	10	1.33
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	10	1.33
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	10	1.33
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	10	1.33
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	13	1.33
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	13	1.33
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	13	1.33
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	17	1.33
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	17	1.33
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	17	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	14	1.33
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	14	1.33
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	14	1.33
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	13	1.33
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	13	1.33
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	13	1.33
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	2	1.33
(2,3002)	1:85:A:LYS:HA	1:85:A:LYS:HD3	16	1.33
(2,3002)	1:85:A:LYS:HA	1:85:A:LYS:HD3	17	1.33
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	9	1.33
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	9	1.33
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	9	1.33
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	9	1.33
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	9	1.33
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	9	1.33
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	20	1.33
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	5	1.33
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	8	1.33
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	8	1.33
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	8	1.33
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	17	1.33
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	17	1.33
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	17	1.33
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	20	1.33
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	20	1.33
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	20	1.33
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	5	1.33
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	5	1.33
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	5	1.33
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	8	1.33
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	8	1.33
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	8	1.33
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	12	1.33
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	12	1.33
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	5	1.33
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	5	1.33
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	5	1.33
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	7	1.33
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	7	1.33
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	7	1.33
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	5	1.33
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	3	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	3	1.33
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	3	1.33
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	16	1.33
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	16	1.33
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	16	1.33
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	14	1.33
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	14	1.33
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	14	1.33
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG11	8	1.33
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG12	8	1.33
(2,1343)	1:109:A:THR:HB	1:125:A:VAL:HG13	8	1.33
(2,860)	1:145:A:GLN:H	1:141:A:LEU:HB2	10	1.33
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	1	1.33
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	1	1.33
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	1	1.33
(2,804)	1:46:A:SER:HB2	1:54:A:ILE:H	1	1.33
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	9	1.33
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	12	1.33
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	2	1.33
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	16	1.32
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	2	1.32
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	2	1.32
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	2	1.32
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	15	1.32
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	11	1.32
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	19	1.32
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	7	1.32
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	7	1.32
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	7	1.32
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	13	1.32
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	13	1.32
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	13	1.32
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	13	1.32
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	13	1.32
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	13	1.32
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	13	1.32
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	13	1.32
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	13	1.32
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	12	1.32
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	12	1.32
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	12	1.32
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	1	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	1	1.32
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	1	1.32
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	6	1.32
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	6	1.32
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	6	1.32
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	18	1.32
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	18	1.32
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	18	1.32
(2,3002)	1:85:A:LYS:HA	1:85:A:LYS:HD3	1	1.32
(2,3002)	1:85:A:LYS:HA	1:85:A:LYS:HD3	6	1.32
(2,3002)	1:85:A:LYS:HA	1:85:A:LYS:HD3	14	1.32
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	5	1.32
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	5	1.32
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	5	1.32
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	5	1.32
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	5	1.32
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	5	1.32
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	8	1.32
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	8	1.32
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	8	1.32
(2,2723)	1:51:A:MET:HB3	1:49:A:MET:HG3	5	1.32
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	8	1.32
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	17	1.32
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	5	1.32
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	5	1.32
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	5	1.32
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	12	1.32
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	12	1.32
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	12	1.32
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	15	1.32
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	15	1.32
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	15	1.32
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	5	1.32
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	5	1.32
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	5	1.32
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	6	1.32
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	6	1.32
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	6	1.32
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	20	1.32
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	13	1.32
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	13	1.32
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	13	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	11	1.32
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	11	1.32
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	11	1.32
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	11	1.32
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	11	1.32
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	11	1.32
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	4	1.32
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	4	1.32
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	4	1.32
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	11	1.32
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	13	1.32
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	9	1.32
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	12	1.32
(2,804)	1:46:A:SER:HB2	1:54:A:ILE:H	17	1.32
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	7	1.32
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	20	1.32
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	1	1.32
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	19	1.32
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	20	1.32
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	9	1.31
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	2	1.31
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	2	1.31
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	7	1.31
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	7	1.31
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	7	1.31
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	7	1.31
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	7	1.31
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	7	1.31
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	1	1.31
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	1	1.31
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	1	1.31
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	2	1.31
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	2	1.31
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	2	1.31
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	18	1.31
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	18	1.31
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	18	1.31
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	11	1.31
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	11	1.31
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	11	1.31
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	18	1.31
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	18	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	18	1.31
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	8	1.31
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	12	1.31
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	1	1.31
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	1	1.31
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	1	1.31
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	1	1.31
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	1	1.31
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	1	1.31
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	9	1.31
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	16	1.31
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	16	1.31
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	16	1.31
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	1	1.31
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	1	1.31
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	4	1.31
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	20	1.31
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	17	1.31
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	10	1.31
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	12	1.31
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	12	1.31
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	12	1.31
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	2	1.31
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	2	1.31
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	2	1.31
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	13	1.31
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	9	1.31
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	9	1.31
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	9	1.31
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	9	1.3
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	12	1.3
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	3	1.3
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	3	1.3
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	3	1.3
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	7	1.3
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	7	1.3
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	7	1.3
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	7	1.3
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	9	1.3
(2,3674)	1:137:A:ILE:HD11	1:102:A:LEU:HB3	14	1.3
(2,3674)	1:137:A:ILE:HD12	1:102:A:LEU:HB3	14	1.3
(2,3674)	1:137:A:ILE:HD13	1:102:A:LEU:HB3	14	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	13	1.3
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	13	1.3
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	13	1.3
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	3	1.3
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	3	1.3
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	3	1.3
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	3	1.3
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	3	1.3
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	3	1.3
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	3	1.3
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	3	1.3
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	3	1.3
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	9	1.3
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	9	1.3
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	9	1.3
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	16	1.3
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	16	1.3
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	16	1.3
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	16	1.3
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	16	1.3
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	16	1.3
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	1	1.3
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	1	1.3
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	1	1.3
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	7	1.3
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	7	1.3
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	7	1.3
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	7	1.3
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	7	1.3
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	7	1.3
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	7	1.3
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	7	1.3
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	7	1.3
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	20	1.3
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	20	1.3
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	20	1.3
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	20	1.3
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	20	1.3
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	20	1.3
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	20	1.3
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	20	1.3
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	20	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	16	1.3
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	16	1.3
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	16	1.3
(2,3002)	1:85:A:LYS:HA	1:85:A:LYS:HD3	18	1.3
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	8	1.3
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	8	1.3
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	8	1.3
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	8	1.3
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	8	1.3
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	8	1.3
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	14	1.3
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	14	1.3
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	14	1.3
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	9	1.3
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	2	1.3
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	2	1.3
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	2	1.3
(2,2373)	1:32:A:ASP:HB3	1:35:A:VAL:HB	11	1.3
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	20	1.3
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	20	1.3
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	20	1.3
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	9	1.3
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	4	1.3
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	4	1.3
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	4	1.3
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	3	1.3
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	3	1.3
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	3	1.3
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	3	1.3
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	3	1.3
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	3	1.3
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	16	1.3
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	16	1.3
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	16	1.3
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	16	1.3
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	16	1.3
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	16	1.3
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	17	1.3
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	15	1.3
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	4	1.3
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	12	1.3
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	11	1.3
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	11	1.3
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	11	1.3
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	3	1.3
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	4	1.3
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	20	1.3
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	16	1.3
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	2	1.3
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	2	1.3
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	2	1.3
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	3	1.3
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	2	1.3
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	19	1.3
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	11	1.3
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	19	1.3
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	9	1.3
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB3	4	1.29
(4,101)	1:57:A:TYR:HB2	1:26:A:ARG:HB2	4	1.29
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	7	1.29
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	7	1.29
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	7	1.29
(3,152)	1:53:A:LEU:H	1:46:A:SER:HB2	1	1.29
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	6	1.29
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	11	1.29
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	4	1.29
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	3	1.29
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	1	1.29
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	1	1.29
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	1	1.29
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	9	1.29
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	9	1.29
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	9	1.29
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	2	1.29
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	2	1.29
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	2	1.29
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	2	1.29
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	2	1.29
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	2	1.29
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	10	1.29
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	10	1.29
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	10	1.29
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	10	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	10	1.29
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	10	1.29
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	2	1.29
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	2	1.29
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	2	1.29
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	13	1.29
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	13	1.29
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	13	1.29
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	11	1.29
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	7	1.29
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	7	1.29
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	7	1.29
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	7	1.29
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	7	1.29
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	7	1.29
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	8	1.29
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	16	1.29
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	20	1.29
(2,2387)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	6	1.29
(2,2387)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	6	1.29
(2,2387)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	6	1.29
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	20	1.29
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	14	1.29
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	8	1.29
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	8	1.29
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	8	1.29
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	8	1.29
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	8	1.29
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	8	1.29
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	20	1.29
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	20	1.29
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	20	1.29
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	20	1.29
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	20	1.29
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	20	1.29
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	3	1.29
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	14	1.29
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	2	1.29
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	2	1.29
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	2	1.29
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	2	1.29
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	11	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	18	1.29
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	18	1.29
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	18	1.29
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	1	1.29
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	11	1.29
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	2	1.29
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	2	1.29
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	2	1.29
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	5	1.29
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	5	1.29
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	5	1.29
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	5	1.29
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	5	1.29
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	18	1.29
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	11	1.29
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE1	9	1.29
(1,21)	1:27:A:ILE:HG13	1:57:A:TYR:HE2	9	1.29
(4,104)	1:95:A:LEU:HB3	1:137:A:ILE:HB	9	1.28
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	6	1.28
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	6	1.28
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	6	1.28
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	5	1.28
(3,140)	1:43:A:PRO:HB3	1:54:A:ILE:H	15	1.28
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	8	1.28
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	7	1.28
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	7	1.28
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	7	1.28
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	12	1.28
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	12	1.28
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	12	1.28
(2,3383)	1:138:A:LEU:HD11	1:138:A:LEU:HA	4	1.28
(2,3383)	1:138:A:LEU:HD12	1:138:A:LEU:HA	4	1.28
(2,3383)	1:138:A:LEU:HD13	1:138:A:LEU:HA	4	1.28
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	13	1.28
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	3	1.28
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	3	1.28
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	3	1.28
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	7	1.28
(2,3008)	1:138:A:LEU:HD21	1:126:A:LYS:HD3	4	1.28
(2,3008)	1:138:A:LEU:HD22	1:126:A:LYS:HD3	4	1.28
(2,3008)	1:138:A:LEU:HD23	1:126:A:LYS:HD3	4	1.28
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	13	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	13	1.28
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	13	1.28
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	13	1.28
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	13	1.28
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	13	1.28
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	13	1.28
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	1	1.28
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	18	1.28
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	4	1.28
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	4	1.28
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	4	1.28
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	13	1.28
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	18	1.28
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	15	1.28
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	15	1.28
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	15	1.28
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	16	1.28
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	16	1.28
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	16	1.28
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	10	1.28
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	8	1.28
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	8	1.28
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	8	1.28
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	16	1.28
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	16	1.28
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	16	1.28
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	18	1.28
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	18	1.28
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	18	1.28
(2,2373)	1:32:A:ASP:HB3	1:35:A:VAL:HB	16	1.28
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	18	1.28
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	18	1.28
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	14	1.28
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	14	1.28
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	3	1.28
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	3	1.28
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	3	1.28
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	17	1.28
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	17	1.28
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	17	1.28
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	18	1.28
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	18	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	18	1.28
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	3	1.28
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	12	1.28
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	12	1.28
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	12	1.28
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	12	1.28
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	12	1.28
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	12	1.28
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	17	1.28
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	17	1.28
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	17	1.28
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	17	1.28
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	17	1.28
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	17	1.28
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	10	1.28
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	15	1.28
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	10	1.28
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	10	1.28
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	10	1.28
(2,1326)	1:92:A:THR:HB	1:94:A:ARG:HD2	7	1.28
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	17	1.28
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	17	1.28
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	12	1.28
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	12	1.28
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	12	1.28
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	9	1.28
(2,714)	1:97:A:VAL:HB	1:101:A:ALA:H	18	1.28
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	19	1.28
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	7	1.28
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	13	1.28
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	5	1.28
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	19	1.28
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	12	1.27
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	12	1.27
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	12	1.27
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	18	1.27
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	16	1.27
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	16	1.27
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	16	1.27
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	16	1.27
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	16	1.27
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	16	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	16	1.27
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	16	1.27
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	16	1.27
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	8	1.27
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	8	1.27
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	8	1.27
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	8	1.27
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	8	1.27
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	8	1.27
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	8	1.27
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	8	1.27
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	8	1.27
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	5	1.27
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	5	1.27
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	5	1.27
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	1	1.27
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	1	1.27
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	1	1.27
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	9	1.27
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	9	1.27
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	9	1.27
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	11	1.27
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	11	1.27
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	11	1.27
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	10	1.27
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	10	1.27
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	10	1.27
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	10	1.27
(2,2942)	1:162:A:ARG:HB2	1:163:A:GLY:H	8	1.27
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	20	1.27
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	20	1.27
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	20	1.27
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	20	1.27
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	20	1.27
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	20	1.27
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	15	1.27
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	15	1.27
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	15	1.27
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	15	1.27
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	15	1.27
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	15	1.27
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	19	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	19	1.27
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	19	1.27
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	19	1.27
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	19	1.27
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	19	1.27
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	20	1.27
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	20	1.27
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	20	1.27
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	6	1.27
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	11	1.27
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	15	1.27
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	6	1.27
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	6	1.27
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	6	1.27
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	9	1.27
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	3	1.27
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	7	1.27
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	8	1.27
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	18	1.27
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	18	1.27
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	18	1.27
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	20	1.27
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG21	18	1.27
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG22	18	1.27
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG23	18	1.27
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	2	1.27
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	17	1.27
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	1	1.26
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	1	1.26
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	1	1.26
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	17	1.26
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	17	1.26
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	17	1.26
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	11	1.26
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	11	1.26
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	11	1.26
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	1	1.26
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	13	1.26
(2,3674)	1:137:A:ILE:HD11	1:102:A:LEU:HB3	7	1.26
(2,3674)	1:137:A:ILE:HD12	1:102:A:LEU:HB3	7	1.26
(2,3674)	1:137:A:ILE:HD13	1:102:A:LEU:HB3	7	1.26
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	19	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	19	1.26
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	19	1.26
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	19	1.26
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	19	1.26
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	19	1.26
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	19	1.26
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	19	1.26
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	19	1.26
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	19	1.26
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	19	1.26
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	19	1.26
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	10	1.26
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	10	1.26
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	10	1.26
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	10	1.26
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	10	1.26
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	10	1.26
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	10	1.26
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	10	1.26
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	10	1.26
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	13	1.26
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	13	1.26
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	13	1.26
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	3	1.26
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	3	1.26
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	3	1.26
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	20	1.26
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	20	1.26
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	20	1.26
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	1	1.26
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	1	1.26
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	1	1.26
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	1	1.26
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	1	1.26
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	1	1.26
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	1	1.26
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	13	1.26
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	6	1.26
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	18	1.26
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	18	1.26
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	18	1.26
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	18	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	18	1.26
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	18	1.26
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	7	1.26
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	7	1.26
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	7	1.26
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	7	1.26
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	18	1.26
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	4	1.26
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	4	1.26
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	4	1.26
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	15	1.26
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	15	1.26
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	12	1.26
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	12	1.26
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	12	1.26
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	13	1.26
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	16	1.26
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	11	1.26
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	11	1.26
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	11	1.26
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	4	1.26
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	1	1.26
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	1	1.26
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	1	1.26
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	1	1.26
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	10	1.26
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	10	1.26
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	1	1.26
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	1	1.26
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	1	1.26
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	19	1.26
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	19	1.26
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	19	1.26
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	7	1.26
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	11	1.26
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	14	1.26
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	9	1.26
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	19	1.26
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	12	1.26
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	9	1.26
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG21	19	1.26
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG22	19	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG23	19	1.26
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	14	1.25
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	5	1.25
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	5	1.25
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	5	1.25
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	5	1.25
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	17	1.25
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	20	1.25
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	20	1.25
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	20	1.25
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	20	1.25
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	20	1.25
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	20	1.25
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	20	1.25
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	20	1.25
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	20	1.25
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	12	1.25
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	12	1.25
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	12	1.25
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	8	1.25
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	8	1.25
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	8	1.25
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	9	1.25
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	9	1.25
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	9	1.25
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	9	1.25
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	9	1.25
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	9	1.25
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	9	1.25
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	9	1.25
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	9	1.25
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	4	1.25
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	4	1.25
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	4	1.25
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	5	1.25
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	5	1.25
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	5	1.25
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	8	1.25
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	8	1.25
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	8	1.25
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	4	1.25
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	4	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	4	1.25
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	5	1.25
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	5	1.25
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	5	1.25
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	14	1.25
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	8	1.25
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	12	1.25
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	9	1.25
(2,2808)	1:149:A:VAL:HG11	1:80:A:ARG:HB3	16	1.25
(2,2808)	1:149:A:VAL:HG12	1:80:A:ARG:HB3	16	1.25
(2,2808)	1:149:A:VAL:HG13	1:80:A:ARG:HB3	16	1.25
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	10	1.25
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	15	1.25
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	12	1.25
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	13	1.25
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	13	1.25
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	13	1.25
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	14	1.25
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	14	1.25
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	14	1.25
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	18	1.25
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	18	1.25
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	17	1.25
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	3	1.25
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	9	1.25
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	9	1.25
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	9	1.25
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	15	1.25
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	15	1.25
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	15	1.25
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	4	1.25
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	7	1.25
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	7	1.25
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	7	1.25
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	18	1.25
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	18	1.25
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	18	1.25
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	20	1.25
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	18	1.25
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	18	1.25
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	18	1.25
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	12	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	18	1.25
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	20	1.25
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	11	1.25
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	4	1.24
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	7	1.24
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	9	1.24
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	5	1.24
(3,5)	1:42:A:LYS:HA	1:30:A:TRP:HD1	12	1.24
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	7	1.24
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	7	1.24
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	7	1.24
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	17	1.24
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	17	1.24
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	17	1.24
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	5	1.24
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	5	1.24
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	5	1.24
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	19	1.24
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	19	1.24
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	19	1.24
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	15	1.24
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	15	1.24
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	15	1.24
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	19	1.24
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	19	1.24
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	19	1.24
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	9	1.24
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	4	1.24
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	13	1.24
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	17	1.24
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	9	1.24
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	17	1.24
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	17	1.24
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	17	1.24
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	11	1.24
(2,2373)	1:32:A:ASP:HB3	1:35:A:VAL:HB	5	1.24
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	20	1.24
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	9	1.24
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	9	1.24
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	9	1.24
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	9	1.24
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	9	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	9	1.24
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	1	1.24
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	1	1.24
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	1	1.24
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	16	1.24
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	17	1.24
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	17	1.24
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	17	1.24
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	18	1.24
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	10	1.24
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	10	1.24
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	10	1.24
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	9	1.24
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	17	1.24
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	17	1.24
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	2	1.24
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	14	1.24
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	9	1.24
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	17	1.24
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	9	1.24
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	5	1.24
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	18	1.24
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	5	1.24
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	8	1.24
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	4	1.23
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	4	1.23
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	8	1.23
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	12	1.23
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	16	1.23
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	16	1.23
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	16	1.23
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	16	1.23
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	16	1.23
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	16	1.23
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	16	1.23
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	16	1.23
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	16	1.23
(2,3480)	1:123:A:VAL:HG11	1:115:A:LYS:HD3	20	1.23
(2,3480)	1:123:A:VAL:HG12	1:115:A:LYS:HD3	20	1.23
(2,3480)	1:123:A:VAL:HG13	1:115:A:LYS:HD3	20	1.23
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	4	1.23
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	4	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	4	1.23
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	17	1.23
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	17	1.23
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	17	1.23
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	17	1.23
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	17	1.23
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	17	1.23
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	17	1.23
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	17	1.23
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	17	1.23
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	1	1.23
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	1	1.23
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	1	1.23
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	12	1.23
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	12	1.23
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	12	1.23
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	11	1.23
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	11	1.23
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	11	1.23
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	12	1.23
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	18	1.23
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	12	1.23
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	18	1.23
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	12	1.23
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	1	1.23
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	9	1.23
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	20	1.23
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD11	19	1.23
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD12	19	1.23
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD13	19	1.23
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	3	1.23
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	3	1.23
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	3	1.23
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	7	1.23
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	10	1.23
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	10	1.23
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	10	1.23
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	10	1.23
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	10	1.23
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	10	1.23
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	13	1.23
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	13	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	13	1.23
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	13	1.23
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	13	1.23
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	13	1.23
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	9	1.23
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	15	1.23
(2,1406)	1:84:A:VAL:HA	1:85:A:LYS:HB3	18	1.23
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	4	1.23
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	4	1.23
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	4	1.23
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	4	1.23
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	6	1.23
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	6	1.23
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	6	1.23
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	8	1.23
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	8	1.23
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	8	1.23
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	13	1.23
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	20	1.23
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	20	1.23
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	20	1.23
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	14	1.23
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	4	1.23
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	8	1.23
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	8	1.23
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	8	1.23
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	1	1.23
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	19	1.23
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	13	1.23
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	2	1.22
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	2	1.22
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	4	1.22
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	4	1.22
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	4	1.22
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	5	1.22
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	12	1.22
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	12	1.22
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	12	1.22
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	12	1.22
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	9	1.22
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	9	1.22
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	9	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	6	1.22
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	9	1.22
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	16	1.22
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	5	1.22
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	18	1.22
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	18	1.22
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	18	1.22
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	8	1.22
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	8	1.22
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	8	1.22
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	16	1.22
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	16	1.22
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	16	1.22
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	11	1.22
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	11	1.22
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	11	1.22
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	6	1.22
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	17	1.22
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	8	1.22
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	8	1.22
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	8	1.22
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	4	1.22
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	4	1.22
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	4	1.22
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	11	1.22
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	11	1.22
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	11	1.22
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	6	1.22
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	6	1.22
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	6	1.22
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	6	1.22
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	19	1.22
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	19	1.22
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	19	1.22
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	2	1.22
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	2	1.22
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	2	1.22
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	14	1.22
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	14	1.22
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	14	1.22
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	14	1.22
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	14	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	14	1.22
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	17	1.22
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	17	1.22
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	17	1.22
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	12	1.22
(2,1696)	1:86:A:LEU:HD21	1:93:A:GLU:HA	6	1.22
(2,1696)	1:86:A:LEU:HD22	1:93:A:GLU:HA	6	1.22
(2,1696)	1:86:A:LEU:HD23	1:93:A:GLU:HA	6	1.22
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	19	1.22
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	19	1.22
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	19	1.22
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	13	1.22
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	8	1.22
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	8	1.22
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	8	1.22
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	2	1.22
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	13	1.22
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	7	1.22
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	7	1.22
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	7	1.22
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	12	1.22
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	12	1.22
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	12	1.22
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	8	1.22
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	5	1.22
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	4	1.22
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	11	1.22
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	11	1.22
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	11	1.22
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	11	1.22
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	3	1.22
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	8	1.22
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	7	1.22
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	13	1.22
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	2	1.22
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	2	1.22
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	2	1.22
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	19	1.22
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	19	1.22
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	19	1.22
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	20	1.22
(3,152)	1:53:A:LEU:H	1:46:A:SER:HB2	2	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	13	1.21
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	13	1.21
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	13	1.21
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	3	1.21
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	13	1.21
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	16	1.21
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	8	1.21
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	8	1.21
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	8	1.21
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	14	1.21
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	14	1.21
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	14	1.21
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	15	1.21
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	15	1.21
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	15	1.21
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	7	1.21
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	1	1.21
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	1	1.21
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	1	1.21
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	3	1.21
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	3	1.21
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	3	1.21
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	4	1.21
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	4	1.21
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	4	1.21
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	12	1.21
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	12	1.21
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	12	1.21
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	18	1.21
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	18	1.21
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	18	1.21
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	18	1.21
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	18	1.21
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	18	1.21
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	18	1.21
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	18	1.21
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	18	1.21
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	20	1.21
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	20	1.21
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	20	1.21
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	10	1.21
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	20	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	20	1.21
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	20	1.21
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	5	1.21
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	5	1.21
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	5	1.21
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	13	1.21
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	10	1.21
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	15	1.21
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	6	1.21
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	6	1.21
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	6	1.21
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	19	1.21
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	14	1.21
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	9	1.21
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	9	1.21
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	9	1.21
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	17	1.21
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	17	1.21
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	17	1.21
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	13	1.21
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	2	1.21
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	2	1.21
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	2	1.21
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	5	1.21
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	9	1.21
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	9	1.21
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	9	1.21
(2,1430)	1:73:A:VAL:HA	1:74:A:THR:H	15	1.21
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	17	1.21
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	13	1.21
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	3	1.21
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	8	1.21
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	14	1.21
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	19	1.21
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	19	1.21
(2,317)	1:143:A:ALA:H	1:142:A:LYS:HG2	12	1.21
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG21	20	1.21
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG22	20	1.21
(2,224)	1:137:A:ILE:H	1:97:A:VAL:HG23	20	1.21
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	14	1.21
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	19	1.2
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	19	1.2
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	11	1.2
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	19	1.2
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	10	1.2
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	10	1.2
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	10	1.2
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	10	1.2
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	14	1.2
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	14	1.2
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	14	1.2
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	8	1.2
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	8	1.2
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	15	1.2
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	15	1.2
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	15	1.2
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	15	1.2
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	15	1.2
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	15	1.2
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	15	1.2
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	15	1.2
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	15	1.2
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	6	1.2
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	6	1.2
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	6	1.2
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	6	1.2
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	6	1.2
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	6	1.2
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	6	1.2
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	6	1.2
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	6	1.2
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	10	1.2
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	10	1.2
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	10	1.2
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	16	1.2
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	16	1.2
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	16	1.2
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	20	1.2
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	20	1.2
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	20	1.2
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	10	1.2
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	10	1.2
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	10	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	10	1.2
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	10	1.2
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	10	1.2
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	15	1.2
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	15	1.2
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	15	1.2
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	15	1.2
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	15	1.2
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	15	1.2
(2,3113)	1:26:A:ARG:HG3	1:25:A:LYS:H	17	1.2
(2,2937)	1:68:A:ARG:HB2	1:69:A:ILE:H	8	1.2
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	10	1.2
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	10	1.2
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	15	1.2
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	15	1.2
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	15	1.2
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	4	1.2
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	5	1.2
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	14	1.2
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	14	1.2
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	14	1.2
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	8	1.2
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	8	1.2
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	8	1.2
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	10	1.2
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	5	1.2
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	8	1.2
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	8	1.2
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	8	1.2
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	20	1.2
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	20	1.2
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	20	1.2
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	6	1.2
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	11	1.2
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	16	1.2
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	15	1.2
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	18	1.2
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	18	1.2
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	18	1.2
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	4	1.2
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	4	1.2
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	4	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	8	1.2
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	8	1.2
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	8	1.2
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	18	1.2
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	13	1.2
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	13	1.2
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	13	1.2
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	8	1.2
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	8	1.2
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	8	1.2
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	12	1.2
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	12	1.2
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	12	1.2
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	1	1.19
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	2	1.19
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	20	1.19
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	14	1.19
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	12	1.19
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	2	1.19
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	20	1.19
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	3	1.19
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	3	1.19
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	20	1.19
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	6	1.19
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	6	1.19
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	6	1.19
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	11	1.19
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	11	1.19
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	11	1.19
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	11	1.19
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	11	1.19
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	11	1.19
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	11	1.19
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	11	1.19
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	11	1.19
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	18	1.19
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	18	1.19
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	18	1.19
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	18	1.19
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	18	1.19
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	18	1.19
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	18	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	18	1.19
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	18	1.19
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	18	1.19
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	18	1.19
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	18	1.19
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	6	1.19
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	6	1.19
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	6	1.19
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	17	1.19
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	17	1.19
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	17	1.19
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	17	1.19
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	17	1.19
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	17	1.19
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	17	1.19
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	17	1.19
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	17	1.19
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	1	1.19
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	1	1.19
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	1	1.19
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	1	1.19
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	1	1.19
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	1	1.19
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	1	1.19
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	1	1.19
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	1	1.19
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	11	1.19
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	11	1.19
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	11	1.19
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	18	1.19
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	18	1.19
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	18	1.19
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	20	1.19
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	20	1.19
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	20	1.19
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	20	1.19
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	20	1.19
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	20	1.19
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	20	1.19
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	20	1.19
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	20	1.19
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	3	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	3	1.19
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	3	1.19
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	12	1.19
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	12	1.19
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	12	1.19
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	11	1.19
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	11	1.19
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	11	1.19
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	19	1.19
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	3	1.19
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	3	1.19
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	3	1.19
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	3	1.19
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	3	1.19
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	3	1.19
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	19	1.19
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	19	1.19
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	19	1.19
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	10	1.19
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	10	1.19
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	10	1.19
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	1	1.19
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	1	1.19
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	1	1.19
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	5	1.19
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	5	1.19
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	5	1.19
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	17	1.19
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	17	1.19
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	17	1.19
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	8	1.19
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	8	1.19
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	19	1.19
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	19	1.19
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	19	1.19
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	3	1.19
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	19	1.19
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	6	1.19
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	13	1.19
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	15	1.19
(2,1822)	1:86:A:LEU:HA	1:86:A:LEU:HG	17	1.19
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	12	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	12	1.19
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	12	1.19
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	16	1.19
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	16	1.19
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	16	1.19
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	18	1.19
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	13	1.19
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	13	1.19
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	13	1.19
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	20	1.19
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	14	1.19
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	18	1.19
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	18	1.19
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	18	1.19
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	12	1.19
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	1	1.19
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	1	1.19
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	1	1.19
(2,787)	1:88:A:ARG:H	1:96:A:LEU:HB3	14	1.19
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	1	1.19
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	1	1.19
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	1	1.19
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	12	1.19
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	2	1.19
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	18	1.19
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	19	1.19
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	11	1.19
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	14	1.19
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	9	1.19
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	9	1.19
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	9	1.19
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	5	1.19
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	5	1.19
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	11	1.18
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	11	1.18
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	6	1.18
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	12	1.18
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	12	1.18
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	12	1.18
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	15	1.18
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	9	1.18
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	9	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	9	1.18
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	4	1.18
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	4	1.18
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	4	1.18
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	4	1.18
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	4	1.18
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	4	1.18
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	4	1.18
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	4	1.18
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	4	1.18
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	14	1.18
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	14	1.18
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	14	1.18
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	14	1.18
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	14	1.18
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	14	1.18
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	6	1.18
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	6	1.18
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	6	1.18
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG21	7	1.18
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG22	7	1.18
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG23	7	1.18
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	2	1.18
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	2	1.18
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	2	1.18
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	2	1.18
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	2	1.18
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	2	1.18
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	2	1.18
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	2	1.18
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	2	1.18
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	16	1.18
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	17	1.18
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	12	1.18
(2,2939)	1:86:A:LEU:HD21	1:93:A:GLU:HB3	6	1.18
(2,2939)	1:86:A:LEU:HD22	1:93:A:GLU:HB3	6	1.18
(2,2939)	1:86:A:LEU:HD23	1:93:A:GLU:HB3	6	1.18
(2,2939)	1:86:A:LEU:HD21	1:93:A:GLU:HB2	6	1.18
(2,2939)	1:86:A:LEU:HD22	1:93:A:GLU:HB2	6	1.18
(2,2939)	1:86:A:LEU:HD23	1:93:A:GLU:HB2	6	1.18
(2,2856)	1:136:A:GLU:HB3	1:129:A:ALA:HB1	12	1.18
(2,2856)	1:136:A:GLU:HB3	1:129:A:ALA:HB2	12	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2856)	1:136:A:GLU:HB3	1:129:A:ALA:HB3	12	1.18
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	14	1.18
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	12	1.18
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	12	1.18
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	12	1.18
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	7	1.18
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	7	1.18
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	7	1.18
(2,2470)	1:69:A:ILE:HB	1:72:A:ARG:HG2	12	1.18
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	20	1.18
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	20	1.18
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	20	1.18
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	17	1.18
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	17	1.18
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	17	1.18
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	2	1.18
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	2	1.18
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	2	1.18
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	12	1.18
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	6	1.18
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	6	1.18
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	15	1.18
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	10	1.18
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	10	1.18
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	2	1.18
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	2	1.18
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	2	1.18
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	4	1.18
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	9	1.18
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	11	1.18
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	11	1.18
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	11	1.18
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	6	1.18
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	6	1.18
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	6	1.18
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	19	1.18
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	5	1.18
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	5	1.18
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	5	1.18
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	8	1.18
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	4	1.18
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	4	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	4	1.18
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	7	1.18
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	18	1.18
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	5	1.18
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	20	1.18
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	16	1.18
(2,788)	1:86:A:LEU:HD21	1:88:A:ARG:H	6	1.18
(2,788)	1:86:A:LEU:HD22	1:88:A:ARG:H	6	1.18
(2,788)	1:86:A:LEU:HD23	1:88:A:ARG:H	6	1.18
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	11	1.18
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	2	1.18
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	2	1.18
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	2	1.18
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	12	1.18
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	12	1.18
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	12	1.18
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	14	1.18
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	15	1.18
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	12	1.18
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	12	1.18
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	12	1.18
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	6	1.18
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	6	1.18
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	6	1.18
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	13	1.18
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	13	1.18
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	13	1.18
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	3	1.18
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	3	1.18
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	3	1.18
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	6	1.18
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	6	1.18
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	6	1.18
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	19	1.18
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	19	1.18
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	19	1.18
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	12	1.18
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	15	1.17
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	20	1.17
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	20	1.17
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	20	1.17
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	3	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	3	1.17
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	3	1.17
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	18	1.17
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	18	1.17
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	18	1.17
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	7	1.17
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	7	1.17
(2,3532)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	7	1.17
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	7	1.17
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	7	1.17
(2,3532)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	7	1.17
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	7	1.17
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	7	1.17
(2,3532)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	7	1.17
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG11	12	1.17
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG12	12	1.17
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG13	12	1.17
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	5	1.17
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	5	1.17
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	5	1.17
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	5	1.17
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	5	1.17
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	5	1.17
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	5	1.17
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	5	1.17
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	5	1.17
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	10	1.17
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	10	1.17
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	10	1.17
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	10	1.17
(2,3095)	1:94:A:ARG:HG3	1:95:A:LEU:H	18	1.17
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	4	1.17
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	4	1.17
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	4	1.17
(2,2856)	1:136:A:GLU:HB3	1:129:A:ALA:HB1	9	1.17
(2,2856)	1:136:A:GLU:HB3	1:129:A:ALA:HB2	9	1.17
(2,2856)	1:136:A:GLU:HB3	1:129:A:ALA:HB3	9	1.17
(2,2817)	1:136:A:GLU:HB3	1:129:A:ALA:HB1	12	1.17
(2,2817)	1:136:A:GLU:HB3	1:129:A:ALA:HB2	12	1.17
(2,2817)	1:136:A:GLU:HB3	1:129:A:ALA:HB3	12	1.17
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	7	1.17
(2,2723)	1:51:A:MET:HB3	1:49:A:MET:HG3	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	12	1.17
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	9	1.17
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	9	1.17
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	9	1.17
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	9	1.17
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	9	1.17
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	9	1.17
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	2	1.17
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	2	1.17
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	2	1.17
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	10	1.17
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	4	1.17
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	4	1.17
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	4	1.17
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	5	1.17
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	1	1.17
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	1	1.17
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	1	1.17
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	7	1.17
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	20	1.17
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	7	1.17
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	7	1.17
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	18	1.17
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	18	1.17
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	18	1.17
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	18	1.17
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	18	1.17
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	18	1.17
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	19	1.17
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	11	1.17
(2,1400)	1:84:A:VAL:HA	1:83:A:GLU:HB3	1	1.17
(2,1326)	1:92:A:THR:HB	1:94:A:ARG:HD2	17	1.17
(2,1263)	1:118:A:GLY:H	1:115:A:LYS:HB2	10	1.17
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	2	1.17
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	4	1.17
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	19	1.17
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	11	1.17
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	11	1.17
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	11	1.17
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	19	1.17
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	19	1.17
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	19	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA3	2	1.17
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA2	2	1.17
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	8	1.17
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	13	1.17
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	7	1.17
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	7	1.17
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	7	1.17
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	10	1.17
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	9	1.17
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	20	1.16
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	20	1.16
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD21	4	1.16
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD22	4	1.16
(4,41)	1:130:A:THR:H	1:138:A:LEU:HD23	4	1.16
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	14	1.16
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	17	1.16
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	2	1.16
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	2	1.16
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	2	1.16
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	2	1.16
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	13	1.16
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	13	1.16
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	5	1.16
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	5	1.16
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	5	1.16
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	5	1.16
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	5	1.16
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	5	1.16
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	5	1.16
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	5	1.16
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	5	1.16
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	7	1.16
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	7	1.16
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	7	1.16
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	8	1.16
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	8	1.16
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	8	1.16
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	6	1.16
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	6	1.16
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	6	1.16
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	6	1.16
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	6	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	6	1.16
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	6	1.16
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	6	1.16
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	6	1.16
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	19	1.16
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	19	1.16
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	19	1.16
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	19	1.16
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	19	1.16
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	19	1.16
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	19	1.16
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	19	1.16
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	19	1.16
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	20	1.16
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	20	1.16
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	20	1.16
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	7	1.16
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	7	1.16
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	7	1.16
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	18	1.16
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	18	1.16
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	18	1.16
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	4	1.16
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	4	1.16
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	4	1.16
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	4	1.16
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	4	1.16
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	4	1.16
(2,2942)	1:162:A:ARG:HB2	1:163:A:GLY:H	1	1.16
(2,2817)	1:136:A:GLU:HB3	1:129:A:ALA:HB1	9	1.16
(2,2817)	1:136:A:GLU:HB3	1:129:A:ALA:HB2	9	1.16
(2,2817)	1:136:A:GLU:HB3	1:129:A:ALA:HB3	9	1.16
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	1	1.16
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	8	1.16
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	4	1.16
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	4	1.16
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	4	1.16
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	20	1.16
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	20	1.16
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	20	1.16
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	16	1.16
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	2	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	2	1.16
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	2	1.16
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	20	1.16
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	20	1.16
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	18	1.16
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	4	1.16
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	2	1.16
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	19	1.16
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	7	1.16
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	7	1.16
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	7	1.16
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	7	1.16
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	7	1.16
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	7	1.16
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	12	1.16
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	12	1.16
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	12	1.16
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	16	1.16
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	16	1.16
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	16	1.16
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	8	1.16
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	9	1.16
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	10	1.16
(2,1430)	1:73:A:VAL:HA	1:74:A:THR:H	19	1.16
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	9	1.16
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	20	1.16
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	20	1.16
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	20	1.16
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	7	1.16
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	19	1.16
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	20	1.16
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	15	1.16
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	18	1.16
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	12	1.16
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	11	1.16
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	11	1.16
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	11	1.16
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	8	1.16
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	8	1.16
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	8	1.16
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	13	1.16
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	13	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	13	1.16
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG21	7	1.16
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG22	7	1.16
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG23	7	1.16
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	18	1.16
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	15	1.16
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	19	1.16
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	10	1.16
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	16	1.16
(2,174)	1:123:A:VAL:HG21	1:124:A:GLU:H	15	1.16
(2,174)	1:123:A:VAL:HG22	1:124:A:GLU:H	15	1.16
(2,174)	1:123:A:VAL:HG23	1:124:A:GLU:H	15	1.16
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	15	1.16
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	15	1.16
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	15	1.16
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	6	1.16
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	18	1.16
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	15	1.15
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	15	1.15
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	8	1.15
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	8	1.15
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	8	1.15
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	11	1.15
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	11	1.15
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	11	1.15
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	11	1.15
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	11	1.15
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	11	1.15
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	8	1.15
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	19	1.15
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	19	1.15
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	19	1.15
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	16	1.15
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	16	1.15
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	17	1.15
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	7	1.15
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	7	1.15
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	2	1.15
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	2	1.15
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	2	1.15
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	2	1.15
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	2	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	2	1.15
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	2	1.15
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	2	1.15
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	2	1.15
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	2	1.15
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	12	1.15
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	12	1.15
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	12	1.15
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	12	1.15
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	12	1.15
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	12	1.15
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	12	1.15
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	12	1.15
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	12	1.15
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	2	1.15
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	2	1.15
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	2	1.15
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	2	1.15
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	2	1.15
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	2	1.15
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	2	1.15
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	2	1.15
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	2	1.15
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	1	1.15
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	1	1.15
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	1	1.15
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	1	1.15
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	1	1.15
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	1	1.15
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	1	1.15
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	1	1.15
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	1	1.15
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	20	1.15
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	20	1.15
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	20	1.15
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	12	1.15
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	12	1.15
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	12	1.15
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	12	1.15
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	12	1.15
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	12	1.15
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	12	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	12	1.15
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	12	1.15
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	5	1.15
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	5	1.15
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	5	1.15
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	5	1.15
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	5	1.15
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	5	1.15
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	5	1.15
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	5	1.15
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	5	1.15
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	15	1.15
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	15	1.15
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	15	1.15
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	15	1.15
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	15	1.15
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	15	1.15
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	15	1.15
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	15	1.15
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	15	1.15
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	3	1.15
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	3	1.15
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	3	1.15
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	6	1.15
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	6	1.15
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	6	1.15
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	9	1.15
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	9	1.15
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	9	1.15
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG21	12	1.15
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG22	12	1.15
(2,2998)	1:85:A:LYS:HD2	1:84:A:VAL:HG23	12	1.15
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG21	12	1.15
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG22	12	1.15
(2,2998)	1:85:A:LYS:HD3	1:84:A:VAL:HG23	12	1.15
(2,2937)	1:68:A:ARG:HB2	1:69:A:ILE:H	6	1.15
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	4	1.15
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	7	1.15
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	7	1.15
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	7	1.15
(2,2387)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	11	1.15
(2,2387)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	11	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2387)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	11	1.15
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	12	1.15
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	12	1.15
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	12	1.15
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	17	1.15
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	17	1.15
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	17	1.15
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	7	1.15
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	7	1.15
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	7	1.15
(2,2214)	1:113:A:VAL:HG21	1:121:A:ASP:HB2	9	1.15
(2,2214)	1:113:A:VAL:HG22	1:121:A:ASP:HB2	9	1.15
(2,2214)	1:113:A:VAL:HG23	1:121:A:ASP:HB2	9	1.15
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	16	1.15
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	14	1.15
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	14	1.15
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	14	1.15
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	15	1.15
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	10	1.15
(2,1263)	1:118:A:GLY:H	1:115:A:LYS:HB2	11	1.15
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	7	1.15
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	11	1.15
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	9	1.15
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	9	1.15
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	9	1.15
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	10	1.15
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	12	1.15
(1,452)	1:28:A:LEU:HB2	1:56:A:VAL:HB	8	1.15
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	2	1.15
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	3	1.15
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	4	1.15
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	15	1.15
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	15	1.15
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	16	1.15
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	18	1.14
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	18	1.14
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	16	1.14
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	6	1.14
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	6	1.14
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	6	1.14
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	17	1.14
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	17	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	17	1.14
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	3	1.14
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	3	1.14
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	3	1.14
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE1	20	1.14
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE2	20	1.14
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE3	20	1.14
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	16	1.14
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	16	1.14
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	16	1.14
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	14	1.14
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	14	1.14
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	14	1.14
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	12	1.14
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	12	1.14
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	12	1.14
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	17	1.14
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	17	1.14
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	17	1.14
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	18	1.14
(2,2937)	1:68:A:ARG:HB2	1:69:A:ILE:H	7	1.14
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	14	1.14
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	9	1.14
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	9	1.14
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	9	1.14
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	20	1.14
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	20	1.14
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	20	1.14
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	4	1.14
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA2	4	1.14
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA2	4	1.14
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA2	4	1.14
(2,2118)	1:79:A:VAL:HG11	1:78:A:GLY:HA3	4	1.14
(2,2118)	1:79:A:VAL:HG12	1:78:A:GLY:HA3	4	1.14
(2,2118)	1:79:A:VAL:HG13	1:78:A:GLY:HA3	4	1.14
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	7	1.14
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	7	1.14
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	7	1.14
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	11	1.14
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	2	1.14
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	18	1.14
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	18	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	18	1.14
(2,1430)	1:73:A:VAL:HA	1:74:A:THR:H	17	1.14
(2,1381)	1:35:A:VAL:HG11	1:36:A:PRO:HA	18	1.14
(2,1381)	1:35:A:VAL:HG12	1:36:A:PRO:HA	18	1.14
(2,1381)	1:35:A:VAL:HG13	1:36:A:PRO:HA	18	1.14
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	13	1.14
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	18	1.14
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	16	1.14
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	15	1.14
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	15	1.14
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	15	1.14
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	3	1.14
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	3	1.14
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	3	1.14
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	6	1.14
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	6	1.14
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	6	1.14
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	14	1.14
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	14	1.14
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	14	1.14
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	3	1.14
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	3	1.14
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	3	1.14
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	17	1.14
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	17	1.14
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	17	1.14
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	17	1.14
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	6	1.14
(2,174)	1:123:A:VAL:HG21	1:124:A:GLU:H	12	1.14
(2,174)	1:123:A:VAL:HG22	1:124:A:GLU:H	12	1.14
(2,174)	1:123:A:VAL:HG23	1:124:A:GLU:H	12	1.14
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	16	1.14
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	5	1.14
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	5	1.14
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	5	1.14
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	16	1.14
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	19	1.13
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	3	1.13
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	3	1.13
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	3	1.13
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	8	1.13
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	5	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	5	1.13
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	4	1.13
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	4	1.13
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	4	1.13
(2,3587)	1:123:A:VAL:HG11	1:147:A:VAL:HG11	4	1.13
(2,3587)	1:123:A:VAL:HG11	1:147:A:VAL:HG12	4	1.13
(2,3587)	1:123:A:VAL:HG11	1:147:A:VAL:HG13	4	1.13
(2,3587)	1:123:A:VAL:HG12	1:147:A:VAL:HG11	4	1.13
(2,3587)	1:123:A:VAL:HG12	1:147:A:VAL:HG12	4	1.13
(2,3587)	1:123:A:VAL:HG12	1:147:A:VAL:HG13	4	1.13
(2,3587)	1:123:A:VAL:HG13	1:147:A:VAL:HG11	4	1.13
(2,3587)	1:123:A:VAL:HG13	1:147:A:VAL:HG12	4	1.13
(2,3587)	1:123:A:VAL:HG13	1:147:A:VAL:HG13	4	1.13
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	5	1.13
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	5	1.13
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	5	1.13
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	17	1.13
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	17	1.13
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	17	1.13
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	13	1.13
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	13	1.13
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	13	1.13
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	13	1.13
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	13	1.13
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	13	1.13
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	13	1.13
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	13	1.13
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	13	1.13
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	2	1.13
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	2	1.13
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	2	1.13
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	19	1.13
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	19	1.13
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	19	1.13
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	3	1.13
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	3	1.13
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	3	1.13
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	5	1.13
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	5	1.13
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	5	1.13
(2,3195)	1:103:A:ILE:H	1:102:A:LEU:HD11	7	1.13
(2,3195)	1:103:A:ILE:H	1:102:A:LEU:HD12	7	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3195)	1:103:A:ILE:H	1:102:A:LEU:HD13	7	1.13
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	3	1.13
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	3	1.13
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	3	1.13
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	4	1.13
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	13	1.13
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	15	1.13
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	9	1.13
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	16	1.13
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	16	1.13
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	16	1.13
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	11	1.13
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	1	1.13
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	13	1.13
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	13	1.13
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	13	1.13
(2,1937)	1:67:A:VAL:HG11	1:62:A:ALA:HA	15	1.13
(2,1937)	1:67:A:VAL:HG12	1:62:A:ALA:HA	15	1.13
(2,1937)	1:67:A:VAL:HG13	1:62:A:ALA:HA	15	1.13
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	14	1.13
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	12	1.13
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	9	1.13
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	4	1.13
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	17	1.13
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	13	1.13
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	13	1.13
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	11	1.13
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	16	1.13
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	13	1.13
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	4	1.13
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	7	1.13
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	7	1.13
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	7	1.13
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	11	1.13
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	5	1.13
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	5	1.13
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	5	1.13
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	5	1.13
(2,254)	1:95:A:LEU:HB3	1:94:A:ARG:H	9	1.13
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	15	1.13
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	1	1.13
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	5	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	5	1.12
(3,141)	1:55:A:PRO:HB2	1:54:A:ILE:H	11	1.12
(3,117)	1:62:A:ALA:HB1	1:60:A:GLU:H	4	1.12
(3,117)	1:62:A:ALA:HB2	1:60:A:GLU:H	4	1.12
(3,117)	1:62:A:ALA:HB3	1:60:A:GLU:H	4	1.12
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	16	1.12
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	16	1.12
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	19	1.12
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	19	1.12
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	14	1.12
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	14	1.12
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	14	1.12
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	8	1.12
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	8	1.12
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	8	1.12
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	6	1.12
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	6	1.12
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	6	1.12
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	7	1.12
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	7	1.12
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	7	1.12
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	6	1.12
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	6	1.12
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	6	1.12
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	11	1.12
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	11	1.12
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	11	1.12
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	11	1.12
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	11	1.12
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	11	1.12
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	11	1.12
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	11	1.12
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	11	1.12
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	11	1.12
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	11	1.12
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	11	1.12
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	2	1.12
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	2	1.12
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	2	1.12
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	2	1.12
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	2	1.12
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	2	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	2	1.12
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	2	1.12
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	2	1.12
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	1	1.12
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	1	1.12
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	1	1.12
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	20	1.12
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	17	1.12
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	17	1.12
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	17	1.12
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	7	1.12
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	13	1.12
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	18	1.12
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	9	1.12
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	9	1.12
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	9	1.12
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	9	1.12
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	9	1.12
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	9	1.12
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	18	1.12
(2,2700)	1:35:A:VAL:HG21	1:34:A:MET:HB2	2	1.12
(2,2700)	1:35:A:VAL:HG22	1:34:A:MET:HB2	2	1.12
(2,2700)	1:35:A:VAL:HG23	1:34:A:MET:HB2	2	1.12
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	15	1.12
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	7	1.12
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	8	1.12
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	10	1.12
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	13	1.12
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	1	1.12
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	1	1.12
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	1	1.12
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	19	1.12
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	1	1.12
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	1	1.12
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	1	1.12
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	18	1.12
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	18	1.12
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	18	1.12
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	4	1.12
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	4	1.12
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	4	1.12
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	2	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	10	1.12
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	15	1.12
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	15	1.12
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	15	1.12
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	12	1.12
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	16	1.12
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	16	1.12
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	16	1.12
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	10	1.12
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	10	1.12
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	10	1.12
(2,1023)	1:126:A:LYS:HG2	1:139:A:GLU:H	4	1.12
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	6	1.12
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	19	1.12
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	18	1.12
(2,804)	1:46:A:SER:HB2	1:54:A:ILE:H	2	1.12
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	19	1.12
(2,317)	1:143:A:ALA:H	1:142:A:LYS:HG2	13	1.12
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	14	1.12
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	14	1.12
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	14	1.12
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	13	1.12
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	13	1.12
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	13	1.12
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	8	1.12
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	17	1.12
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	1	1.12
(4,85)	1:65:A:ALA:HA	1:162:A:ARG:HD2	9	1.11
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	16	1.11
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	16	1.11
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	16	1.11
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	5	1.11
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	5	1.11
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	5	1.11
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	8	1.11
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	8	1.11
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	8	1.11
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	14	1.11
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	3	1.11
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	18	1.11
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	19	1.11
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	10	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	6	1.11
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	6	1.11
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	6	1.11
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	13	1.11
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	13	1.11
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	13	1.11
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	13	1.11
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	13	1.11
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	13	1.11
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	11	1.11
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	11	1.11
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	11	1.11
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	18	1.11
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	18	1.11
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	18	1.11
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	19	1.11
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	19	1.11
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	19	1.11
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	18	1.11
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	18	1.11
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	18	1.11
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	5	1.11
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	5	1.11
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	5	1.11
(2,2700)	1:35:A:VAL:HG21	1:34:A:MET:HB2	6	1.11
(2,2700)	1:35:A:VAL:HG22	1:34:A:MET:HB2	6	1.11
(2,2700)	1:35:A:VAL:HG23	1:34:A:MET:HB2	6	1.11
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG21	7	1.11
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG22	7	1.11
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG23	7	1.11
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	4	1.11
(2,2497)	1:86:A:LEU:HD21	1:93:A:GLU:HG2	6	1.11
(2,2497)	1:86:A:LEU:HD22	1:93:A:GLU:HG2	6	1.11
(2,2497)	1:86:A:LEU:HD23	1:93:A:GLU:HG2	6	1.11
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	14	1.11
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	14	1.11
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	12	1.11
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	14	1.11
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	15	1.11
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	16	1.11
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	2	1.11
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	2	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	2	1.11
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	19	1.11
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	19	1.11
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	19	1.11
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	7	1.11
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	20	1.11
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	19	1.11
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	19	1.11
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	19	1.11
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	19	1.11
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	18	1.11
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	8	1.11
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	13	1.11
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	13	1.11
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	13	1.11
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	10	1.11
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	1	1.11
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	1	1.11
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	1	1.11
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	3	1.11
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	3	1.11
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	10	1.11
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	13	1.11
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	19	1.11
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	19	1.11
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	19	1.11
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	12	1.11
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	12	1.11
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	12	1.11
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	12	1.11
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	7	1.11
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	7	1.11
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	7	1.11
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	13	1.11
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	13	1.11
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	13	1.11
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	5	1.11
(2,333)	1:63:A:ASP:HB2	1:66:A:ALA:H	8	1.11
(2,174)	1:123:A:VAL:HG21	1:124:A:GLU:H	9	1.11
(2,174)	1:123:A:VAL:HG22	1:124:A:GLU:H	9	1.11
(2,174)	1:123:A:VAL:HG23	1:124:A:GLU:H	9	1.11
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	2	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	20	1.11
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	20	1.11
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	20	1.11
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	13	1.11
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	11	1.11
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	12	1.11
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	10	1.1
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	10	1.1
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	10	1.1
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	9	1.1
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	6	1.1
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	6	1.1
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	6	1.1
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	13	1.1
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	13	1.1
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	13	1.1
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	20	1.1
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	20	1.1
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	20	1.1
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	6	1.1
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	18	1.1
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	18	1.1
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	1	1.1
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	1	1.1
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	1	1.1
(2,3479)	1:123:A:VAL:HG11	1:137:A:ILE:HG13	12	1.1
(2,3479)	1:123:A:VAL:HG12	1:137:A:ILE:HG13	12	1.1
(2,3479)	1:123:A:VAL:HG13	1:137:A:ILE:HG13	12	1.1
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	18	1.1
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	18	1.1
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	18	1.1
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	12	1.1
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	12	1.1
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	12	1.1
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	12	1.1
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	12	1.1
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	12	1.1
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	12	1.1
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	12	1.1
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	12	1.1
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	16	1.1
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	16	1.1
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	16	1.1
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	16	1.1
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	16	1.1
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	16	1.1
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	16	1.1
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	16	1.1
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	4	1.1
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	4	1.1
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	4	1.1
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	4	1.1
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	8	1.1
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	16	1.1
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	11	1.1
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	9	1.1
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	10	1.1
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	10	1.1
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	10	1.1
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	10	1.1
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	10	1.1
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	10	1.1
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	18	1.1
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	5	1.1
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	17	1.1
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	20	1.1
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	4	1.1
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	20	1.1
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	20	1.1
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	20	1.1
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	3	1.1
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	11	1.1
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	11	1.1
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	11	1.1
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	15	1.1
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	15	1.1
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	15	1.1
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	7	1.1
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	13	1.1
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	14	1.1
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	14	1.1
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	7	1.1
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	3	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	3	1.1
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	3	1.1
(2,1233)	1:60:A:GLU:HA	1:64:A:GLY:H	9	1.1
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	12	1.1
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	19	1.1
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	7	1.1
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	9	1.1
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	4	1.1
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	9	1.1
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	9	1.1
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	9	1.1
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	9	1.1
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	13	1.1
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	8	1.1
(2,174)	1:123:A:VAL:HG21	1:124:A:GLU:H	14	1.1
(2,174)	1:123:A:VAL:HG22	1:124:A:GLU:H	14	1.1
(2,174)	1:123:A:VAL:HG23	1:124:A:GLU:H	14	1.1
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	5	1.1
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	5	1.1
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	5	1.1
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	6	1.1
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	20	1.1
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	9	1.09
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	9	1.09
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	15	1.09
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	15	1.09
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	15	1.09
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	20	1.09
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	20	1.09
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	20	1.09
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	11	1.09
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	13	1.09
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	8	1.09
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	8	1.09
(3,42)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	10	1.09
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	14	1.09
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	14	1.09
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	1	1.09
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	1	1.09
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	1	1.09
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	9	1.09
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	9	1.09
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	18	1.09
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	18	1.09
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	18	1.09
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	8	1.09
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	8	1.09
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	8	1.09
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	8	1.09
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	8	1.09
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	8	1.09
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	8	1.09
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	8	1.09
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	8	1.09
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB1	9	1.09
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB2	9	1.09
(2,3533)	1:149:A:VAL:HG21	1:101:A:ALA:HB3	9	1.09
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB1	9	1.09
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB2	9	1.09
(2,3533)	1:149:A:VAL:HG22	1:101:A:ALA:HB3	9	1.09
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB1	9	1.09
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB2	9	1.09
(2,3533)	1:149:A:VAL:HG23	1:101:A:ALA:HB3	9	1.09
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	4	1.09
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	4	1.09
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	4	1.09
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	3	1.09
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	3	1.09
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	3	1.09
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	7	1.09
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	7	1.09
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	7	1.09
(2,3429)	1:113:A:VAL:HG11	1:145:A:GLN:HB3	15	1.09
(2,3429)	1:113:A:VAL:HG12	1:145:A:GLN:HB3	15	1.09
(2,3429)	1:113:A:VAL:HG13	1:145:A:GLN:HB3	15	1.09
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	9	1.09
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	9	1.09
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	9	1.09
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	9	1.09
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	9	1.09
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	9	1.09
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	9	1.09
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	9	1.09
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	20	1.09
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	20	1.09
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	20	1.09
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	2	1.09
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	7	1.09
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	8	1.09
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	13	1.09
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	19	1.09
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	19	1.09
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	19	1.09
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	20	1.09
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	7	1.09
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	3	1.09
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	3	1.09
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	3	1.09
(2,1430)	1:73:A:VAL:HA	1:74:A:THR:H	12	1.09
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	9	1.09
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	20	1.09
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	20	1.09
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	20	1.09
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	8	1.09
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	5	1.09
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	5	1.09
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	5	1.09
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	3	1.09
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	3	1.09
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	19	1.09
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	20	1.09
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	20	1.09
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	20	1.09
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	20	1.09
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	20	1.09
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	3	1.09
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	7	1.09
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	12	1.09
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	13	1.09
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	3	1.09
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	4	1.09
(1,430)	1:53:A:LEU:HD11	1:40:A:PHE:HA	10	1.09
(1,430)	1:53:A:LEU:HD12	1:40:A:PHE:HA	10	1.09
(1,430)	1:53:A:LEU:HD13	1:40:A:PHE:HA	10	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	14	1.09
(1,225)	1:53:A:LEU:HD11	1:40:A:PHE:HB3	10	1.09
(1,225)	1:53:A:LEU:HD12	1:40:A:PHE:HB3	10	1.09
(1,225)	1:53:A:LEU:HD13	1:40:A:PHE:HB3	10	1.09
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	19	1.09
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	20	1.08
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	20	1.08
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	20	1.08
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	5	1.08
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	16	1.08
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	16	1.08
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	16	1.08
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE1	18	1.08
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE2	18	1.08
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE3	18	1.08
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	5	1.08
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	5	1.08
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	5	1.08
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	10	1.08
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	10	1.08
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	10	1.08
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB1	9	1.08
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB2	9	1.08
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB3	9	1.08
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB1	9	1.08
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB2	9	1.08
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB3	9	1.08
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB1	9	1.08
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB2	9	1.08
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB3	9	1.08
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	12	1.08
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	13	1.08
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	14	1.08
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	2	1.08
(2,2942)	1:162:A:ARG:HB2	1:163:A:GLY:H	12	1.08
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	4	1.08
(2,2597)	1:142:A:LYS:HB2	1:145:A:GLN:HG2	13	1.08
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	9	1.08
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	9	1.08
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	9	1.08
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	11	1.08
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	11	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	11	1.08
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	4	1.08
(2,2430)	1:53:A:LEU:HD11	1:54:A:ILE:HB	19	1.08
(2,2430)	1:53:A:LEU:HD12	1:54:A:ILE:HB	19	1.08
(2,2430)	1:53:A:LEU:HD13	1:54:A:ILE:HB	19	1.08
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	9	1.08
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	9	1.08
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	14	1.08
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	14	1.08
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	14	1.08
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	3	1.08
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	1	1.08
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	10	1.08
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	15	1.08
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	7	1.08
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	13	1.08
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	16	1.08
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	16	1.08
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	16	1.08
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	12	1.08
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	20	1.08
(2,174)	1:123:A:VAL:HG21	1:124:A:GLU:H	4	1.08
(2,174)	1:123:A:VAL:HG22	1:124:A:GLU:H	4	1.08
(2,174)	1:123:A:VAL:HG23	1:124:A:GLU:H	4	1.08
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	9	1.08
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	19	1.08
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	3	1.08
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	20	1.08
(3,105)	1:53:A:LEU:HD21	1:35:A:VAL:HB	4	1.07
(3,105)	1:53:A:LEU:HD22	1:35:A:VAL:HB	4	1.07
(3,105)	1:53:A:LEU:HD23	1:35:A:VAL:HB	4	1.07
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	10	1.07
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	19	1.07
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	19	1.07
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	19	1.07
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	19	1.07
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	19	1.07
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	19	1.07
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	20	1.07
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	20	1.07
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	20	1.07
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	16	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	11	1.07
(2,2937)	1:68:A:ARG:HB2	1:69:A:ILE:H	12	1.07
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	1	1.07
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	1	1.07
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	1	1.07
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	10	1.07
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	3	1.07
(2,2387)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	15	1.07
(2,2387)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	15	1.07
(2,2387)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	15	1.07
(2,2385)	1:70:A:ASP:HB2	1:71:A:GLY:HA2	9	1.07
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	13	1.07
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	13	1.07
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	13	1.07
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	6	1.07
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	15	1.07
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	12	1.07
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	3	1.07
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	3	1.07
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	11	1.07
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	13	1.07
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	1	1.07
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	8	1.07
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	18	1.07
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	2	1.07
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	2	1.07
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	2	1.07
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	15	1.07
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	18	1.07
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	7	1.07
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	17	1.07
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	17	1.07
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	1	1.07
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	14	1.07
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	3	1.07
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	3	1.07
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	3	1.07
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	16	1.07
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	16	1.07
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	16	1.07
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	1	1.07
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	1	1.07
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	2	1.07
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	15	1.07
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	7	1.07
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	7	1.06
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	7	1.06
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	19	1.06
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	19	1.06
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	4	1.06
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	4	1.06
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	4	1.06
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	3	1.06
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	3	1.06
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	3	1.06
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	16	1.06
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	16	1.06
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	16	1.06
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	8	1.06
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	8	1.06
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	8	1.06
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	11	1.06
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	11	1.06
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	11	1.06
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	16	1.06
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	16	1.06
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	16	1.06
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	20	1.06
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	20	1.06
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	20	1.06
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	20	1.06
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	20	1.06
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	20	1.06
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	20	1.06
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	20	1.06
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	20	1.06
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	9	1.06
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	9	1.06
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	9	1.06
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	4	1.06
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	4	1.06
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	4	1.06
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	5	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	5	1.06
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	5	1.06
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	10	1.06
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	10	1.06
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	10	1.06
(2,3325)	1:84:A:VAL:HG11	1:145:A:GLN:HA	18	1.06
(2,3325)	1:84:A:VAL:HG12	1:145:A:GLN:HA	18	1.06
(2,3325)	1:84:A:VAL:HG13	1:145:A:GLN:HA	18	1.06
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	3	1.06
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	3	1.06
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	3	1.06
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	20	1.06
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	20	1.06
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	20	1.06
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	16	1.06
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	7	1.06
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	19	1.06
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	10	1.06
(2,2937)	1:68:A:ARG:HB2	1:69:A:ILE:H	16	1.06
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	3	1.06
(2,2700)	1:35:A:VAL:HG21	1:34:A:MET:HB2	19	1.06
(2,2700)	1:35:A:VAL:HG22	1:34:A:MET:HB2	19	1.06
(2,2700)	1:35:A:VAL:HG23	1:34:A:MET:HB2	19	1.06
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	19	1.06
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	19	1.06
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	19	1.06
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD11	18	1.06
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD12	18	1.06
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD13	18	1.06
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	1	1.06
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	8	1.06
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	17	1.06
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	17	1.06
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	3	1.06
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	9	1.06
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	9	1.06
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	9	1.06
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	16	1.06
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	11	1.06
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	14	1.06
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	17	1.06
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	17	1.06
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	20	1.06
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	20	1.06
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	20	1.06
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	11	1.06
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	19	1.06
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	19	1.06
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	19	1.06
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	13	1.06
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	17	1.06
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	19	1.06
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	19	1.06
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	19	1.06
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	1	1.06
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	9	1.06
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	6	1.06
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	6	1.06
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	9	1.06
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	9	1.06
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	9	1.06
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	11	1.06
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	11	1.06
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	11	1.06
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	13	1.06
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	16	1.06
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	16	1.06
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	16	1.06
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG21	17	1.06
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG22	17	1.06
(1,608)	1:38:A:GLN:HE22	1:35:A:VAL:HG23	17	1.06
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	6	1.06
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	10	1.06
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	13	1.05
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	13	1.05
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	7	1.05
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	7	1.05
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	7	1.05
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	3	1.05
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	13	1.05
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	13	1.05
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	15	1.05
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	4	1.05
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	4	1.05
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	10	1.05
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	10	1.05
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	10	1.05
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	10	1.05
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	10	1.05
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	10	1.05
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	10	1.05
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	10	1.05
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	10	1.05
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	8	1.05
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	8	1.05
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	8	1.05
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	12	1.05
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	12	1.05
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	12	1.05
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	2	1.05
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	2	1.05
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	2	1.05
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	19	1.05
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	19	1.05
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	19	1.05
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	13	1.05
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	13	1.05
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	13	1.05
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	9	1.05
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	9	1.05
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	9	1.05
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD11	7	1.05
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD12	7	1.05
(2,3197)	1:129:A:ALA:H	1:102:A:LEU:HD13	7	1.05
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	10	1.05
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	17	1.05
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	14	1.05
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	6	1.05
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	13	1.05
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	13	1.05
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	13	1.05
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	16	1.05
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	18	1.05
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	14	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	14	1.05
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	14	1.05
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	15	1.05
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	15	1.05
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	15	1.05
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	4	1.05
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	4	1.05
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	4	1.05
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	19	1.05
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	19	1.05
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	19	1.05
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	14	1.05
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	19	1.05
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	13	1.05
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	13	1.05
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	13	1.05
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	13	1.05
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	15	1.05
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	15	1.05
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	15	1.05
(2,1538)	1:70:A:ASP:H	1:69:A:ILE:HA	19	1.05
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	5	1.05
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	5	1.05
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	5	1.05
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	14	1.05
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	14	1.05
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	14	1.05
(2,1417)	1:98:A:PRO:HA	1:135:A:SER:HB3	12	1.05
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	7	1.05
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	7	1.05
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	7	1.05
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	1	1.05
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	1	1.05
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	1	1.05
(2,1326)	1:92:A:THR:HB	1:94:A:ARG:HD2	16	1.05
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	5	1.05
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	8	1.05
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	15	1.05
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	15	1.05
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	15	1.05
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	2	1.05
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	2	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	2	1.05
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	10	1.05
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	15	1.05
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	4	1.05
(2,1109)	1:80:A:ARG:HG3	1:81:A:THR:H	3	1.05
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	1	1.05
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	4	1.05
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	16	1.05
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	12	1.05
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	16	1.05
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	1	1.05
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	1	1.05
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	5	1.05
(2,762)	1:125:A:VAL:HG11	1:109:A:THR:H	6	1.05
(2,762)	1:125:A:VAL:HG12	1:109:A:THR:H	6	1.05
(2,762)	1:125:A:VAL:HG13	1:109:A:THR:H	6	1.05
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	11	1.05
(2,325)	1:63:A:ASP:HB3	1:69:A:ILE:H	19	1.05
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	2	1.05
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	11	1.05
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	17	1.05
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	17	1.05
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	17	1.05
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	17	1.05
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	18	1.04
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	18	1.04
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	18	1.04
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	20	1.04
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	1	1.04
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	13	1.04
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	13	1.04
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	13	1.04
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	13	1.04
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	4	1.04
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	4	1.04
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	4	1.04
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	4	1.04
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	4	1.04
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	4	1.04
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	2	1.04
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	2	1.04
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	7	1.04
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	7	1.04
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	7	1.04
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	13	1.04
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	13	1.04
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	13	1.04
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	19	1.04
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	19	1.04
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	19	1.04
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	1	1.04
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	8	1.04
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	14	1.04
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	17	1.04
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	19	1.04
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	9	1.04
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	17	1.04
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	10	1.04
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	10	1.04
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	10	1.04
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	16	1.04
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	4	1.04
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	6	1.04
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	6	1.04
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	6	1.04
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	17	1.04
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	17	1.04
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	17	1.04
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	17	1.04
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	8	1.04
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	8	1.04
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	8	1.04
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	2	1.04
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	9	1.04
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	13	1.04
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	16	1.04
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	4	1.04
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	16	1.04
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	15	1.04
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	15	1.04
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	12	1.04
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	12	1.04
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	12	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	7	1.04
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	16	1.04
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	16	1.04
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	16	1.04
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	17	1.04
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	9	1.04
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	12	1.04
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	9	1.04
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	9	1.04
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	9	1.04
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	10	1.04
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	5	1.04
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	5	1.04
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	5	1.04
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	12	1.04
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	12	1.04
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	12	1.04
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	10	1.04
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	1	1.04
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	1	1.04
(2,44)	1:85:A:LYS:H	1:95:A:LEU:HB2	18	1.04
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	5	1.04
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	20	1.04
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	3	1.03
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	3	1.03
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	18	1.03
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	18	1.03
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	18	1.03
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	3	1.03
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	13	1.03
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	13	1.03
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	13	1.03
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	19	1.03
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	19	1.03
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	19	1.03
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	5	1.03
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	5	1.03
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	5	1.03
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	7	1.03
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	7	1.03
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	7	1.03
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	13	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	13	1.03
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	13	1.03
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	16	1.03
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	16	1.03
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	16	1.03
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	16	1.03
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	16	1.03
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	16	1.03
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	16	1.03
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	16	1.03
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	16	1.03
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	18	1.03
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	18	1.03
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	18	1.03
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	19	1.03
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	19	1.03
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	19	1.03
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	9	1.03
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	9	1.03
(2,3334)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	9	1.03
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	2	1.03
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	2	1.03
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	2	1.03
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	8	1.03
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	8	1.03
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	8	1.03
(2,3041)	1:26:A:ARG:HG3	1:25:A:LYS:HD2	6	1.03
(2,3041)	1:26:A:ARG:HG3	1:25:A:LYS:HD3	6	1.03
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	1	1.03
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	1	1.03
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	5	1.03
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	18	1.03
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	18	1.03
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	18	1.03
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	18	1.03
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	19	1.03
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	1	1.03
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	9	1.03
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	9	1.03
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	9	1.03
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	3	1.03
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	13	1.03
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	19	1.03
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	5	1.03
(2,1109)	1:80:A:ARG:HG3	1:81:A:THR:H	5	1.03
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	1	1.03
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	17	1.03
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	11	1.03
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	11	1.03
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	11	1.03
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	17	1.03
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	17	1.03
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	17	1.03
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	8	1.03
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	8	1.03
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	8	1.03
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	11	1.03
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	17	1.03
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	18	1.03
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	18	1.03
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	18	1.03
(2,322)	1:68:A:ARG:HA	1:69:A:ILE:H	15	1.03
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	18	1.03
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	6	1.03
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	18	1.02
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	18	1.02
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	18	1.02
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	17	1.02
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	17	1.02
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	17	1.02
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	9	1.02
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	9	1.02
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	9	1.02
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	13	1.02
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	13	1.02
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	13	1.02
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	15	1.02
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	15	1.02
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	15	1.02
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	15	1.02
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	15	1.02
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	15	1.02
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	11	1.02
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	11	1.02
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	11	1.02
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	11	1.02
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	11	1.02
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	11	1.02
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	11	1.02
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	11	1.02
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	11	1.02
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	11	1.02
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	11	1.02
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	11	1.02
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	11	1.02
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	11	1.02
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	11	1.02
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	11	1.02
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	11	1.02
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	17	1.02
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	17	1.02
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	17	1.02
(2,3227)	1:86:A:LEU:HD11	1:86:A:LEU:HA	6	1.02
(2,3227)	1:86:A:LEU:HD12	1:86:A:LEU:HA	6	1.02
(2,3227)	1:86:A:LEU:HD13	1:86:A:LEU:HA	6	1.02
(2,3188)	1:21:A:LEU:HD21	1:23:A:THR:H	11	1.02
(2,3188)	1:21:A:LEU:HD22	1:23:A:THR:H	11	1.02
(2,3188)	1:21:A:LEU:HD23	1:23:A:THR:H	11	1.02
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	13	1.02
(2,2802)	1:147:A:VAL:HA	1:148:A:VAL:HB	15	1.02
(2,2801)	1:19:A:ALA:HB1	1:22:A:LYS:HB3	16	1.02
(2,2801)	1:19:A:ALA:HB2	1:22:A:LYS:HB3	16	1.02
(2,2801)	1:19:A:ALA:HB3	1:22:A:LYS:HB3	16	1.02
(2,2700)	1:35:A:VAL:HG21	1:34:A:MET:HB2	20	1.02
(2,2700)	1:35:A:VAL:HG22	1:34:A:MET:HB2	20	1.02
(2,2700)	1:35:A:VAL:HG23	1:34:A:MET:HB2	20	1.02
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG21	8	1.02
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG22	8	1.02
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG23	8	1.02
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	3	1.02
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	5	1.02
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	5	1.02
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	5	1.02
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	16	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	16	1.02
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	16	1.02
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	8	1.02
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	8	1.02
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	8	1.02
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	15	1.02
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	15	1.02
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	15	1.02
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	2	1.02
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	12	1.02
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	12	1.02
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	12	1.02
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	6	1.02
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	6	1.02
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	15	1.02
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	2	1.02
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	14	1.02
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	14	1.02
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	14	1.02
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	17	1.02
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	17	1.02
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	17	1.02
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	9	1.02
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	9	1.02
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	17	1.02
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	17	1.02
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	17	1.02
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	2	1.02
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	20	1.02
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	18	1.02
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	5	1.02
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	11	1.02
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	8	1.02
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	8	1.02
(2,762)	1:125:A:VAL:HG11	1:109:A:THR:H	14	1.02
(2,762)	1:125:A:VAL:HG12	1:109:A:THR:H	14	1.02
(2,762)	1:125:A:VAL:HG13	1:109:A:THR:H	14	1.02
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	14	1.02
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	14	1.02
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	14	1.02
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	5	1.02
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	5	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	5	1.02
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	16	1.02
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	16	1.02
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	16	1.02
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	14	1.02
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	15	1.02
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	12	1.02
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	13	1.02
(3,151)	1:53:A:LEU:HD21	1:49:A:MET:H	10	1.01
(3,151)	1:53:A:LEU:HD22	1:49:A:MET:H	10	1.01
(3,151)	1:53:A:LEU:HD23	1:49:A:MET:H	10	1.01
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	9	1.01
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	3	1.01
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	3	1.01
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	13	1.01
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	13	1.01
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	13	1.01
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	18	1.01
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	18	1.01
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	18	1.01
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	18	1.01
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	18	1.01
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	18	1.01
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	1	1.01
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	1	1.01
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	1	1.01
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	19	1.01
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	19	1.01
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	19	1.01
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	3	1.01
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	3	1.01
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	3	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	7	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	7	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	7	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	7	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	7	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	7	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	8	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	8	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	8	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	8	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	8	1.01
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	8	1.01
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG11	18	1.01
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG12	18	1.01
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG13	18	1.01
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	17	1.01
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	17	1.01
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	17	1.01
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	17	1.01
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	17	1.01
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	17	1.01
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	17	1.01
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	17	1.01
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	17	1.01
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	17	1.01
(2,2802)	1:147:A:VAL:HA	1:148:A:VAL:HB	13	1.01
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	7	1.01
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	10	1.01
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	11	1.01
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	13	1.01
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	15	1.01
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	17	1.01
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	18	1.01
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	19	1.01
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	2	1.01
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	6	1.01
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	3	1.01
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	19	1.01
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	19	1.01
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	19	1.01
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	5	1.01
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	8	1.01
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	14	1.01
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	14	1.01
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	14	1.01
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	11	1.01
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	11	1.01
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	11	1.01
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	15	1.01
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	15	1.01
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	15	1.01
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	17	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	17	1.01
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	17	1.01
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	4	1.01
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	7	1.01
(2,1109)	1:80:A:ARG:HG3	1:81:A:THR:H	10	1.01
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	11	1.01
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	11	1.01
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	11	1.01
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	10	1.01
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	6	1.01
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	9	1.01
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	9	1.01
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	9	1.01
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	11	1.01
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	11	1.01
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	11	1.01
(2,744)	1:79:A:VAL:H	1:80:A:ARG:HB2	14	1.01
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	18	1.01
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	18	1.01
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	18	1.01
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	8	1.01
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	7	1.01
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	6	1.01
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	19	1.01
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	2	1.01
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	2	1.01
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	2	1.01
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	15	1.01
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	15	1.01
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	15	1.01
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	6	1.0
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	6	1.0
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	16	1.0
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	16	1.0
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	16	1.0
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	16	1.0
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	16	1.0
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	20	1.0
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	20	1.0
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	20	1.0
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	15	1.0
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	15	1.0
(3,43)	1:24:A:GLY:HA3	1:25:A:LYS:HD3	8	1.0
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	8	1.0
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	8	1.0
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	9	1.0
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	9	1.0
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	9	1.0
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	3	1.0
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	3	1.0
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	3	1.0
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	3	1.0
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	3	1.0
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	3	1.0
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	6	1.0
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	6	1.0
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	6	1.0
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	6	1.0
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	6	1.0
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	6	1.0
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	10	1.0
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	10	1.0
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	10	1.0
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	5	1.0
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	5	1.0
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	5	1.0
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	5	1.0
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	5	1.0
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	5	1.0
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	5	1.0
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	5	1.0
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	5	1.0
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	18	1.0
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	18	1.0
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	18	1.0
(2,3269)	1:96:A:LEU:HD11	1:85:A:LYS:H	13	1.0
(2,3269)	1:96:A:LEU:HD12	1:85:A:LYS:H	13	1.0
(2,3269)	1:96:A:LEU:HD13	1:85:A:LYS:H	13	1.0
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	2	1.0
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	2	1.0
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	2	1.0
(2,3188)	1:21:A:LEU:HD21	1:23:A:THR:H	9	1.0
(2,3188)	1:21:A:LEU:HD22	1:23:A:THR:H	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3188)	1:21:A:LEU:HD23	1:23:A:THR:H	9	1.0
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	18	1.0
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	5	1.0
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	19	1.0
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG21	6	1.0
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG22	6	1.0
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG23	6	1.0
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG21	14	1.0
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG22	14	1.0
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG23	14	1.0
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	1	1.0
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	4	1.0
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	6	1.0
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	8	1.0
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	12	1.0
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	14	1.0
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	20	1.0
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	7	1.0
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	10	1.0
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	1	1.0
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	7	1.0
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	7	1.0
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	7	1.0
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	7	1.0
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	16	1.0
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	16	1.0
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	16	1.0
(2,1547)	1:53:A:LEU:HD21	1:43:A:PRO:HA	5	1.0
(2,1547)	1:53:A:LEU:HD22	1:43:A:PRO:HA	5	1.0
(2,1547)	1:53:A:LEU:HD23	1:43:A:PRO:HA	5	1.0
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	17	1.0
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	8	1.0
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	17	1.0
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	9	1.0
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	9	1.0
(2,1109)	1:80:A:ARG:HG3	1:81:A:THR:H	14	1.0
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	5	1.0
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	5	1.0
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	5	1.0
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	10	1.0
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	10	1.0
(2,730)	1:113:A:VAL:HG11	1:146:A:GLN:H	14	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,730)	1:113:A:VAL:HG12	1:146:A:GLN:H	14	1.0
(2,730)	1:113:A:VAL:HG13	1:146:A:GLN:H	14	1.0
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	16	1.0
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	7	1.0
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	7	1.0
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	7	1.0
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	16	1.0
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	6	1.0
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	6	1.0
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	6	1.0
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	19	1.0
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	19	1.0
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	19	1.0
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	20	1.0
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	20	1.0
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	20	1.0
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	10	1.0
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	10	1.0
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	10	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	6	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	6	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	6	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	10	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	10	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	10	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	19	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	19	1.0
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	19	1.0
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	17	1.0
(1,452)	1:28:A:LEU:HB2	1:56:A:VAL:HB	17	1.0
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	8	0.99
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	8	0.99
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	11	0.99
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	11	0.99
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	11	0.99
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	10	0.99
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	10	0.99
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	10	0.99
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	14	0.99
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	14	0.99
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	14	0.99
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	6	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,73)	1:34:A:MET:HA	1:36:A:PRO:HG2	20	0.99
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	14	0.99
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	14	0.99
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	14	0.99
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	14	0.99
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	14	0.99
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	14	0.99
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE1	9	0.99
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE2	9	0.99
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE3	9	0.99
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	8	0.99
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	8	0.99
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	8	0.99
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG21	15	0.99
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG22	15	0.99
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG23	15	0.99
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	4	0.99
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	4	0.99
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	4	0.99
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	6	0.99
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	6	0.99
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	6	0.99
(2,3233)	1:85:A:LYS:H	1:86:A:LEU:HD11	6	0.99
(2,3233)	1:85:A:LYS:H	1:86:A:LEU:HD12	6	0.99
(2,3233)	1:85:A:LYS:H	1:86:A:LEU:HD13	6	0.99
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	1	0.99
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	20	0.99
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	7	0.99
(2,2804)	1:81:A:THR:HA	1:80:A:ARG:HB3	14	0.99
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG21	3	0.99
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG22	3	0.99
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG23	3	0.99
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	8	0.99
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	2	0.99
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	5	0.99
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	20	0.99
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	14	0.99
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	14	0.99
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	14	0.99
(2,2373)	1:32:A:ASP:HB3	1:35:A:VAL:HB	19	0.99
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	12	0.99
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	12	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	12	0.99
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	2	0.99
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	2	0.99
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	2	0.99
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	3	0.99
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	5	0.99
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	2	0.99
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	2	0.99
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	2	0.99
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	16	0.99
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	19	0.99
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	7	0.99
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	7	0.99
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	7	0.99
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	11	0.99
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	11	0.99
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	11	0.99
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	5	0.99
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	5	0.99
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	15	0.99
(2,1109)	1:80:A:ARG:HG3	1:81:A:THR:H	16	0.99
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	12	0.99
(2,911)	1:53:A:LEU:HD21	1:42:A:LYS:H	13	0.99
(2,911)	1:53:A:LEU:HD22	1:42:A:LYS:H	13	0.99
(2,911)	1:53:A:LEU:HD23	1:42:A:LYS:H	13	0.99
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	1	0.99
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	17	0.99
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	2	0.99
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	2	0.99
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	2	0.99
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	4	0.99
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	4	0.99
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	4	0.99
(2,835)	1:110:A:ILE:HB	1:105:A:THR:H	16	0.99
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	7	0.99
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	4	0.99
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	4	0.99
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	4	0.99
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	3	0.99
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	3	0.99
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	3	0.99
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	1	0.99
(2,366)	1:86:A:LEU:H	1:86:A:LEU:HB2	17	0.99
(2,47)	1:85:A:LYS:H	1:86:A:LEU:HD11	6	0.99
(2,47)	1:85:A:LYS:H	1:86:A:LEU:HD12	6	0.99
(2,47)	1:85:A:LYS:H	1:86:A:LEU:HD13	6	0.99
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	14	0.99
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	14	0.99
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	14	0.99
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	10	0.99
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	14	0.98
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	14	0.98
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	14	0.98
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	18	0.98
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	18	0.98
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	18	0.98
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	19	0.98
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	19	0.98
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	19	0.98
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	7	0.98
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	7	0.98
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	7	0.98
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	11	0.98
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	11	0.98
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	11	0.98
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	10	0.98
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	10	0.98
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	10	0.98
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	4	0.98
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	4	0.98
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	4	0.98
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	4	0.98
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	4	0.98
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	4	0.98
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	6	0.98
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	6	0.98
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	6	0.98
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	2	0.98
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	2	0.98
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	2	0.98
(2,3432)	1:123:A:VAL:HG11	1:123:A:VAL:H	14	0.98
(2,3432)	1:123:A:VAL:HG12	1:123:A:VAL:H	14	0.98
(2,3432)	1:123:A:VAL:HG13	1:123:A:VAL:H	14	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	20	0.98
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	20	0.98
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	20	0.98
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	8	0.98
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	8	0.98
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	8	0.98
(2,3194)	1:138:A:LEU:HD21	1:138:A:LEU:HB2	4	0.98
(2,3194)	1:138:A:LEU:HD22	1:138:A:LEU:HB2	4	0.98
(2,3194)	1:138:A:LEU:HD23	1:138:A:LEU:HB2	4	0.98
(2,3188)	1:21:A:LEU:HD21	1:23:A:THR:H	14	0.98
(2,3188)	1:21:A:LEU:HD22	1:23:A:THR:H	14	0.98
(2,3188)	1:21:A:LEU:HD23	1:23:A:THR:H	14	0.98
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	5	0.98
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	5	0.98
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	5	0.98
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	6	0.98
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	6	0.98
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	6	0.98
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	9	0.98
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	9	0.98
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	9	0.98
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	10	0.98
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	19	0.98
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	20	0.98
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	17	0.98
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	19	0.98
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	15	0.98
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG21	7	0.98
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG22	7	0.98
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG23	7	0.98
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	3	0.98
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	4	0.98
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD21	1	0.98
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD22	1	0.98
(2,2117)	1:78:A:GLY:HA2	1:77:A:LEU:HD23	1	0.98
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	8	0.98
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	7	0.98
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	7	0.98
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	7	0.98
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	3	0.98
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	3	0.98
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	3	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	8	0.98
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	12	0.98
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	15	0.98
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	6	0.98
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	6	0.98
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	6	0.98
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	10	0.98
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	10	0.98
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	10	0.98
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	13	0.98
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	13	0.98
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	13	0.98
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	18	0.98
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	8	0.98
(2,762)	1:125:A:VAL:HG11	1:109:A:THR:H	3	0.98
(2,762)	1:125:A:VAL:HG12	1:109:A:THR:H	3	0.98
(2,762)	1:125:A:VAL:HG13	1:109:A:THR:H	3	0.98
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	6	0.98
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG21	15	0.98
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG22	15	0.98
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG23	15	0.98
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	10	0.98
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	10	0.98
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	10	0.98
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	16	0.98
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	18	0.98
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	3	0.98
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	3	0.98
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	3	0.98
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	4	0.98
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	5	0.97
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	5	0.97
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	5	0.97
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	8	0.97
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	8	0.97
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	8	0.97
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	7	0.97
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	9	0.97
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	9	0.97
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	9	0.97
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	11	0.97
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	8	0.97
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	8	0.97
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	1	0.97
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	1	0.97
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	1	0.97
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	4	0.97
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	4	0.97
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	4	0.97
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	13	0.97
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	13	0.97
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	13	0.97
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	7	0.97
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	7	0.97
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	7	0.97
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	3	0.97
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	3	0.97
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	3	0.97
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	3	0.97
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	3	0.97
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	3	0.97
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	3	0.97
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	3	0.97
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	3	0.97
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	3	0.97
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	3	0.97
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	3	0.97
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	17	0.97
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	17	0.97
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	17	0.97
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	11	0.97
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	11	0.97
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	11	0.97
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	3	0.97
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	3	0.97
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	3	0.97
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	3	0.97
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	3	0.97
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	3	0.97
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	15	0.97
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	15	0.97
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	15	0.97
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	17	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	17	0.97
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	17	0.97
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	19	0.97
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	3	0.97
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	11	0.97
(2,2937)	1:68:A:ARG:HB2	1:69:A:ILE:H	18	0.97
(2,2802)	1:147:A:VAL:HA	1:148:A:VAL:HB	7	0.97
(2,2802)	1:147:A:VAL:HA	1:148:A:VAL:HB	18	0.97
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	17	0.97
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG21	14	0.97
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG22	14	0.97
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG23	14	0.97
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	2	0.97
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	2	0.97
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	2	0.97
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	2	0.97
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	16	0.97
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	10	0.97
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	10	0.97
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	17	0.97
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	17	0.97
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	2	0.97
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	2	0.97
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	2	0.97
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	18	0.97
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	13	0.97
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	17	0.97
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	12	0.97
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	12	0.97
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	12	0.97
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	14	0.97
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	2	0.97
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	2	0.97
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	2	0.97
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	6	0.97
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	6	0.97
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	6	0.97
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	12	0.97
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	2	0.97
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	2	0.97
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	2	0.97
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	9	0.97
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	7	0.97
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	8	0.97
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	8	0.97
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	8	0.97
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	16	0.97
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	18	0.97
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	18	0.97
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	18	0.97
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	18	0.97
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	1	0.97
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	1	0.97
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	1	0.97
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	11	0.97
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	11	0.97
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	11	0.97
(2,333)	1:63:A:ASP:HB2	1:66:A:ALA:H	4	0.97
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	3	0.97
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	13	0.97
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	13	0.97
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	13	0.97
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	18	0.97
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	18	0.97
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	18	0.97
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	8	0.97
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	16	0.97
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	4	0.97
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	16	0.97
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	3	0.97
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	18	0.96
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	18	0.96
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	18	0.96
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	12	0.96
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	12	0.96
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	12	0.96
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	5	0.96
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	5	0.96
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	5	0.96
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	16	0.96
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	16	0.96
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	16	0.96
(2,3479)	1:123:A:VAL:HG11	1:137:A:ILE:HG13	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3479)	1:123:A:VAL:HG12	1:137:A:ILE:HG13	14	0.96
(2,3479)	1:123:A:VAL:HG13	1:137:A:ILE:HG13	14	0.96
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	12	0.96
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	12	0.96
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	12	0.96
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	6	0.96
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	6	0.96
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	6	0.96
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	14	0.96
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	14	0.96
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	14	0.96
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	17	0.96
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	17	0.96
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	17	0.96
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	11	0.96
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	11	0.96
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	11	0.96
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	12	0.96
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	12	0.96
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	12	0.96
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	11	0.96
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	6	0.96
(2,2802)	1:147:A:VAL:HA	1:148:A:VAL:HB	11	0.96
(2,2802)	1:147:A:VAL:HA	1:148:A:VAL:HB	14	0.96
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	20	0.96
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG21	4	0.96
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG22	4	0.96
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG23	4	0.96
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	6	0.96
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	6	0.96
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	6	0.96
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	6	0.96
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	7	0.96
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	7	0.96
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	7	0.96
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	19	0.96
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	2	0.96
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	2	0.96
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	2	0.96
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	17	0.96
(2,1326)	1:92:A:THR:HB	1:94:A:ARG:HD2	11	0.96
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	1	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	14	0.96
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	14	0.96
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	14	0.96
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	17	0.96
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	9	0.96
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	10	0.96
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	14	0.96
(2,762)	1:125:A:VAL:HG11	1:109:A:THR:H	8	0.96
(2,762)	1:125:A:VAL:HG12	1:109:A:THR:H	8	0.96
(2,762)	1:125:A:VAL:HG13	1:109:A:THR:H	8	0.96
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	3	0.96
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	3	0.96
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	3	0.96
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	5	0.96
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	15	0.96
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	15	0.96
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	15	0.96
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	15	0.96
(2,309)	1:148:A:VAL:H	1:147:A:VAL:HB	14	0.96
(2,230)	1:70:A:ASP:H	1:69:A:ILE:HA	19	0.96
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	4	0.96
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	2	0.96
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	3	0.96
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	14	0.96
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	2	0.96
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	2	0.96
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	19	0.95
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	19	0.95
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	19	0.95
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	10	0.95
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	15	0.95
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	6	0.95
(2,3587)	1:123:A:VAL:HG11	1:147:A:VAL:HG11	14	0.95
(2,3587)	1:123:A:VAL:HG11	1:147:A:VAL:HG12	14	0.95
(2,3587)	1:123:A:VAL:HG11	1:147:A:VAL:HG13	14	0.95
(2,3587)	1:123:A:VAL:HG12	1:147:A:VAL:HG11	14	0.95
(2,3587)	1:123:A:VAL:HG12	1:147:A:VAL:HG12	14	0.95
(2,3587)	1:123:A:VAL:HG12	1:147:A:VAL:HG13	14	0.95
(2,3587)	1:123:A:VAL:HG13	1:147:A:VAL:HG11	14	0.95
(2,3587)	1:123:A:VAL:HG13	1:147:A:VAL:HG12	14	0.95
(2,3587)	1:123:A:VAL:HG13	1:147:A:VAL:HG13	14	0.95
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	9	0.95
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	9	0.95
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	20	0.95
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	20	0.95
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	20	0.95
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	12	0.95
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	12	0.95
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	12	0.95
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG21	19	0.95
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG22	19	0.95
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG23	19	0.95
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	15	0.95
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	15	0.95
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	15	0.95
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	3	0.95
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	3	0.95
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	3	0.95
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	3	0.95
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	3	0.95
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	3	0.95
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	3	0.95
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	3	0.95
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	3	0.95
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	1	0.95
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	1	0.95
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	1	0.95
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	1	0.95
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	1	0.95
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	1	0.95
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	1	0.95
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	1	0.95
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	1	0.95
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	8	0.95
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	8	0.95
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	8	0.95
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	9	0.95
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	9	0.95
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	9	0.95
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	12	0.95
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	12	0.95
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	12	0.95
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	16	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	16	0.95
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	16	0.95
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	8	0.95
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	8	0.95
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	8	0.95
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	5	0.95
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	5	0.95
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	5	0.95
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	12	0.95
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	6	0.95
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	6	0.95
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	6	0.95
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	6	0.95
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	6	0.95
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	6	0.95
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	2	0.95
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	6	0.95
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	9	0.95
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	3	0.95
(2,2504)	1:93:A:GLU:HG3	1:86:A:LEU:HG	8	0.95
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	12	0.95
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	12	0.95
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	12	0.95
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	18	0.95
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	11	0.95
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	15	0.95
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	3	0.95
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	1	0.95
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	1	0.95
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	1	0.95
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	9	0.95
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	9	0.95
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	9	0.95
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	5	0.95
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	5	0.95
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	5	0.95
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	8	0.95
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	10	0.95
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	10	0.95
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	15	0.95
(2,1263)	1:118:A:GLY:H	1:115:A:LYS:HB2	5	0.95
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	8	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	8	0.95
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	8	0.95
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	19	0.95
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	19	0.95
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	19	0.95
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	10	0.95
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	12	0.95
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	3	0.95
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	6	0.95
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	15	0.95
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	1	0.95
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	11	0.95
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	10	0.95
(2,568)	1:73:A:VAL:H	1:72:A:ARG:HB2	12	0.95
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	17	0.95
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	17	0.95
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	17	0.95
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	3	0.95
(2,242)	1:88:A:ARG:HB3	1:94:A:ARG:H	1	0.95
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG11	18	0.95
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG12	18	0.95
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG13	18	0.95
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	6	0.95
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	7	0.95
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	7	0.95
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	7	0.95
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	8	0.95
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	8	0.95
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	8	0.95
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	20	0.95
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	20	0.95
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	20	0.95
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	7	0.95
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	13	0.95
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	6	0.95
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	12	0.95
(3,117)	1:62:A:ALA:HB1	1:60:A:GLU:H	14	0.94
(3,117)	1:62:A:ALA:HB2	1:60:A:GLU:H	14	0.94
(3,117)	1:62:A:ALA:HB3	1:60:A:GLU:H	14	0.94
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	2	0.94
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	2	0.94
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	15	0.94
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	15	0.94
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	15	0.94
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	13	0.94
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	7	0.94
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	7	0.94
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	7	0.94
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	4	0.94
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	12	0.94
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	13	0.94
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	17	0.94
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	12	0.94
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	6	0.94
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	6	0.94
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	6	0.94
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	6	0.94
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	6	0.94
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	6	0.94
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	1	0.94
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	1	0.94
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	1	0.94
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	20	0.94
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	20	0.94
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	20	0.94
(2,3432)	1:123:A:VAL:HG11	1:123:A:VAL:H	9	0.94
(2,3432)	1:123:A:VAL:HG12	1:123:A:VAL:H	9	0.94
(2,3432)	1:123:A:VAL:HG13	1:123:A:VAL:H	9	0.94
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	14	0.94
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	14	0.94
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	14	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	2	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	2	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	2	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	7	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	7	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	7	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	10	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	10	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	10	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	16	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	16	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	16	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	19	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	19	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	19	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	20	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	20	0.94
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	20	0.94
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	13	0.94
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	13	0.94
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	13	0.94
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	17	0.94
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	14	0.94
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	3	0.94
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	7	0.94
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	3	0.94
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	6	0.94
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	6	0.94
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	6	0.94
(2,2801)	1:19:A:ALA:HB1	1:22:A:LYS:HB3	2	0.94
(2,2801)	1:19:A:ALA:HB2	1:22:A:LYS:HB3	2	0.94
(2,2801)	1:19:A:ALA:HB3	1:22:A:LYS:HB3	2	0.94
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	19	0.94
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	19	0.94
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	19	0.94
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	2	0.94
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	6	0.94
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	4	0.94
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	4	0.94
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	4	0.94
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	5	0.94
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	15	0.94
(2,2524)	1:124:A:GLU:H	1:124:A:GLU:HG3	9	0.94
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	2	0.94
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	2	0.94
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	2	0.94
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	14	0.94
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	14	0.94
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	14	0.94
(2,2387)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	8	0.94
(2,2387)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	8	0.94
(2,2387)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	8	0.94
(2,2375)	1:32:A:ASP:HB3	1:34:A:MET:HB2	2	0.94
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD11	7	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD12	7	0.94
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD13	7	0.94
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	16	0.94
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	17	0.94
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	16	0.94
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	12	0.94
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	19	0.94
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	19	0.94
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	19	0.94
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	6	0.94
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	18	0.94
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	3	0.94
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	3	0.94
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	3	0.94
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	16	0.94
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	16	0.94
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	16	0.94
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	3	0.94
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	4	0.94
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	8	0.94
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	8	0.94
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	8	0.94
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	20	0.94
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	18	0.94
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	18	0.94
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	18	0.94
(2,743)	1:77:A:LEU:HB3	1:79:A:VAL:H	10	0.94
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	1	0.94
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	1	0.94
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	1	0.94
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	10	0.94
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	10	0.94
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	10	0.94
(2,715)	1:102:A:LEU:HB3	1:101:A:ALA:H	14	0.94
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	16	0.94
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	16	0.94
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	16	0.94
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG21	19	0.94
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG22	19	0.94
(2,571)	1:73:A:VAL:H	1:73:A:VAL:HG23	19	0.94
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	8	0.94
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	8	0.94
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	10	0.94
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	10	0.94
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	10	0.94
(2,447)	1:62:A:ALA:HB1	1:60:A:GLU:H	4	0.94
(2,447)	1:62:A:ALA:HB2	1:60:A:GLU:H	4	0.94
(2,447)	1:62:A:ALA:HB3	1:60:A:GLU:H	4	0.94
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	20	0.94
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	8	0.94
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	4	0.94
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	4	0.94
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	4	0.94
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	11	0.94
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	10	0.94
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	15	0.94
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	17	0.94
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	20	0.94
(1,448)	1:57:A:TYR:HB3	1:58:A:GLU:HG3	1	0.94
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	10	0.94
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	10	0.94
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	10	0.94
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	17	0.93
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	17	0.93
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	3	0.93
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	3	0.93
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	3	0.93
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	1	0.93
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	1	0.93
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	1	0.93
(2,3574)	1:147:A:VAL:HG11	1:82:A:ALA:H	10	0.93
(2,3574)	1:147:A:VAL:HG12	1:82:A:ALA:H	10	0.93
(2,3574)	1:147:A:VAL:HG13	1:82:A:ALA:H	10	0.93
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	10	0.93
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	10	0.93
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	10	0.93
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	19	0.93
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	19	0.93
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	19	0.93
(2,3435)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	17	0.93
(2,3435)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	17	0.93
(2,3435)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	17	0.93
(2,3432)	1:123:A:VAL:HG11	1:123:A:VAL:H	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3432)	1:123:A:VAL:HG12	1:123:A:VAL:H	15	0.93
(2,3432)	1:123:A:VAL:HG13	1:123:A:VAL:H	15	0.93
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	16	0.93
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	16	0.93
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	16	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	1	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	1	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	1	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	4	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	4	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	4	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	13	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	13	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	13	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	15	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	15	0.93
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	15	0.93
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	14	0.93
(2,2937)	1:68:A:ARG:HB2	1:69:A:ILE:H	10	0.93
(2,2802)	1:147:A:VAL:HA	1:148:A:VAL:HB	12	0.93
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	3	0.93
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	20	0.93
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	1	0.93
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	16	0.93
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	16	0.93
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	10	0.93
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	15	0.93
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	9	0.93
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	1	0.93
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	17	0.93
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	18	0.93
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	8	0.93
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	5	0.93
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	5	0.93
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	5	0.93
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	15	0.93
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	15	0.93
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	15	0.93
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	17	0.93
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	17	0.93
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	17	0.93
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	20	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	20	0.93
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	20	0.93
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	4	0.93
(2,1326)	1:92:A:THR:HB	1:94:A:ARG:HD2	10	0.93
(2,1263)	1:118:A:GLY:H	1:115:A:LYS:HB2	1	0.93
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	19	0.93
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	4	0.93
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	4	0.93
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	4	0.93
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	17	0.93
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	17	0.93
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	17	0.93
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	5	0.93
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	5	0.93
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	5	0.93
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	19	0.93
(2,309)	1:148:A:VAL:H	1:147:A:VAL:HB	11	0.93
(2,309)	1:148:A:VAL:H	1:147:A:VAL:HB	16	0.93
(2,285)	1:115:A:LYS:H	1:118:A:GLY:H	8	0.93
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	1	0.93
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	1	0.93
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	1	0.93
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	16	0.93
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	16	0.93
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	16	0.93
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	3	0.93
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	16	0.93
(1,290)	1:46:A:SER:HB2	1:51:A:MET:HG2	5	0.93
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	6	0.93
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	13	0.93
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	12	0.92
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	12	0.92
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	12	0.92
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	10	0.92
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	10	0.92
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	10	0.92
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	17	0.92
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	17	0.92
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	17	0.92
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	17	0.92
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	17	0.92
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	17	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	20	0.92
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	20	0.92
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	20	0.92
(2,3581)	1:147:A:VAL:HG11	1:98:A:PRO:HD2	8	0.92
(2,3581)	1:147:A:VAL:HG12	1:98:A:PRO:HD2	8	0.92
(2,3581)	1:147:A:VAL:HG13	1:98:A:PRO:HD2	8	0.92
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	12	0.92
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	12	0.92
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	12	0.92
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE1	18	0.92
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE2	18	0.92
(2,3504)	1:45:A:LYS:HB2	1:51:A:MET:HE3	18	0.92
(2,3477)	1:123:A:VAL:HG21	1:137:A:ILE:HG13	19	0.92
(2,3477)	1:123:A:VAL:HG22	1:137:A:ILE:HG13	19	0.92
(2,3477)	1:123:A:VAL:HG23	1:137:A:ILE:HG13	19	0.92
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	19	0.92
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	19	0.92
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	19	0.92
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	5	0.92
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	5	0.92
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	5	0.92
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	10	0.92
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	10	0.92
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	10	0.92
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	17	0.92
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	17	0.92
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	17	0.92
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	7	0.92
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	7	0.92
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	7	0.92
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	7	0.92
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	7	0.92
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	7	0.92
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	7	0.92
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	7	0.92
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	7	0.92
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB1	12	0.92
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB2	12	0.92
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB3	12	0.92
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB1	12	0.92
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB2	12	0.92
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB3	12	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB1	12	0.92
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB2	12	0.92
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB3	12	0.92
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	3	0.92
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	3	0.92
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	3	0.92
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	5	0.92
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	5	0.92
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	5	0.92
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG11	11	0.92
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG12	11	0.92
(2,3349)	1:84:A:VAL:H	1:84:A:VAL:HG13	11	0.92
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	15	0.92
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	15	0.92
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	15	0.92
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	2	0.92
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	11	0.92
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	7	0.92
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	5	0.92
(2,3054)	1:80:A:ARG:HG3	1:81:A:THR:H	3	0.92
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	18	0.92
(2,2936)	1:68:A:ARG:H	1:68:A:ARG:HB2	19	0.92
(2,2802)	1:147:A:VAL:HA	1:148:A:VAL:HB	5	0.92
(2,2802)	1:147:A:VAL:HA	1:148:A:VAL:HB	20	0.92
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	15	0.92
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	15	0.92
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	15	0.92
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	4	0.92
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	4	0.92
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	4	0.92
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	3	0.92
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	11	0.92
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	8	0.92
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	12	0.92
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	3	0.92
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	12	0.92
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA2	12	0.92
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA3	12	0.92
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	14	0.92
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	14	0.92
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	14	0.92
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	9	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	9	0.92
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	9	0.92
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	16	0.92
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	16	0.92
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	16	0.92
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	7	0.92
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	4	0.92
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	4	0.92
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	4	0.92
(2,1326)	1:92:A:THR:HB	1:94:A:ARG:HD2	12	0.92
(2,1263)	1:118:A:GLY:H	1:115:A:LYS:HB2	12	0.92
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	5	0.92
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	5	0.92
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	5	0.92
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	12	0.92
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	12	0.92
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	12	0.92
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	3	0.92
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	8	0.92
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	10	0.92
(2,1006)	1:137:A:ILE:H	1:139:A:GLU:H	5	0.92
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	1	0.92
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	13	0.92
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	13	0.92
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	13	0.92
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	19	0.92
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	3	0.92
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	6	0.92
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	2	0.92
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	2	0.92
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	2	0.92
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	3	0.92
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	1	0.92
(3,117)	1:62:A:ALA:HB1	1:60:A:GLU:H	9	0.91
(3,117)	1:62:A:ALA:HB2	1:60:A:GLU:H	9	0.91
(3,117)	1:62:A:ALA:HB3	1:60:A:GLU:H	9	0.91
(3,117)	1:62:A:ALA:HB1	1:60:A:GLU:H	20	0.91
(3,117)	1:62:A:ALA:HB2	1:60:A:GLU:H	20	0.91
(3,117)	1:62:A:ALA:HB3	1:60:A:GLU:H	20	0.91
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	17	0.91
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	17	0.91
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	17	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	9	0.91
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	9	0.91
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	9	0.91
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	10	0.91
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	10	0.91
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	10	0.91
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	10	0.91
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	10	0.91
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	10	0.91
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	2	0.91
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	2	0.91
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	2	0.91
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	16	0.91
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	16	0.91
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	16	0.91
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	9	0.91
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	9	0.91
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	9	0.91
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	8	0.91
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	8	0.91
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	8	0.91
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	8	0.91
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	8	0.91
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	8	0.91
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	8	0.91
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	8	0.91
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	8	0.91
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE1	7	0.91
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE2	7	0.91
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE3	7	0.91
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	17	0.91
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	17	0.91
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	17	0.91
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	17	0.91
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	17	0.91
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	17	0.91
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	17	0.91
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	17	0.91
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	17	0.91
(2,3438)	1:123:A:VAL:HG11	1:137:A:ILE:HG12	18	0.91
(2,3438)	1:123:A:VAL:HG12	1:137:A:ILE:HG12	18	0.91
(2,3438)	1:123:A:VAL:HG13	1:137:A:ILE:HG12	18	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3432)	1:123:A:VAL:HG11	1:123:A:VAL:H	4	0.91
(2,3432)	1:123:A:VAL:HG12	1:123:A:VAL:H	4	0.91
(2,3432)	1:123:A:VAL:HG13	1:123:A:VAL:H	4	0.91
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	11	0.91
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	11	0.91
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	11	0.91
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	5	0.91
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	5	0.91
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	5	0.91
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	5	0.91
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	5	0.91
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	5	0.91
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	5	0.91
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	5	0.91
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	5	0.91
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	10	0.91
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	10	0.91
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	10	0.91
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	10	0.91
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	10	0.91
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	10	0.91
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	10	0.91
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	10	0.91
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	10	0.91
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	7	0.91
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	7	0.91
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	7	0.91
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	16	0.91
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	16	0.91
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	16	0.91
(2,3113)	1:26:A:ARG:HG3	1:25:A:LYS:H	1	0.91
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	5	0.91
(2,2937)	1:68:A:ARG:HB2	1:69:A:ILE:H	13	0.91
(2,2937)	1:68:A:ARG:HB2	1:69:A:ILE:H	14	0.91
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	6	0.91
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	19	0.91
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	19	0.91
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	19	0.91
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	17	0.91
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	17	0.91
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	17	0.91
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	2	0.91
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	3	0.91
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	2	0.91
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	5	0.91
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	10	0.91
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	17	0.91
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	8	0.91
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	8	0.91
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	8	0.91
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	2	0.91
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	2	0.91
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	2	0.91
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	11	0.91
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	11	0.91
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	11	0.91
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	14	0.91
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	14	0.91
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	14	0.91
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	6	0.91
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	6	0.91
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	6	0.91
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	9	0.91
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	18	0.91
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	20	0.91
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	20	0.91
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	9	0.91
(2,1038)	1:21:A:LEU:HB3	1:23:A:THR:H	7	0.91
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	13	0.91
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	12	0.91
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	12	0.91
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	12	0.91
(2,858)	1:84:A:VAL:HB	1:145:A:GLN:H	18	0.91
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	13	0.91
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	13	0.91
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	13	0.91
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	8	0.91
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	20	0.91
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	20	0.91
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	20	0.91
(2,412)	1:97:A:VAL:HG21	1:136:A:GLU:H	16	0.91
(2,412)	1:97:A:VAL:HG22	1:136:A:GLU:H	16	0.91
(2,412)	1:97:A:VAL:HG23	1:136:A:GLU:H	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	16	0.91
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	14	0.91
(2,366)	1:86:A:LEU:H	1:86:A:LEU:HB2	6	0.91
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	6	0.91
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	18	0.91
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	19	0.91
(1,290)	1:46:A:SER:HB2	1:51:A:MET:HG2	16	0.91
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	14	0.9
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	14	0.9
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	20	0.9
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	20	0.9
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	20	0.9
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	16	0.9
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	16	0.9
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	16	0.9
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	14	0.9
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	14	0.9
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	14	0.9
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	7	0.9
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	7	0.9
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	7	0.9
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	7	0.9
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	7	0.9
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	7	0.9
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	7	0.9
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	7	0.9
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	7	0.9
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	10	0.9
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	10	0.9
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	10	0.9
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	7	0.9
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	7	0.9
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	7	0.9
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	7	0.9
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	7	0.9
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	7	0.9
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	7	0.9
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	7	0.9
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	7	0.9
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	16	0.9
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	16	0.9
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	16	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	1	0.9
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	1	0.9
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	1	0.9
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	2	0.9
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	2	0.9
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	2	0.9
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	6	0.9
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	6	0.9
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	6	0.9
(2,3432)	1:123:A:VAL:HG11	1:123:A:VAL:H	12	0.9
(2,3432)	1:123:A:VAL:HG12	1:123:A:VAL:H	12	0.9
(2,3432)	1:123:A:VAL:HG13	1:123:A:VAL:H	12	0.9
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	6	0.9
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	6	0.9
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	6	0.9
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	15	0.9
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	15	0.9
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	15	0.9
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	15	0.9
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	15	0.9
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	15	0.9
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	15	0.9
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	15	0.9
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	15	0.9
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	14	0.9
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	14	0.9
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	14	0.9
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	14	0.9
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	14	0.9
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	14	0.9
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	14	0.9
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	14	0.9
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	14	0.9
(2,3113)	1:26:A:ARG:HG3	1:25:A:LYS:H	20	0.9
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	1	0.9
(2,3054)	1:80:A:ARG:HG3	1:81:A:THR:H	5	0.9
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	19	0.9
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	20	0.9
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	20	0.9
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	20	0.9
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	15	0.9
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	15	0.9
(2,2813)	1:136:A:GLU:HB3	1:130:A:THR:HA	7	0.9
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	9	0.9
(2,2375)	1:32:A:ASP:HB3	1:34:A:MET:HB2	3	0.9
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	11	0.9
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	11	0.9
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	11	0.9
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	18	0.9
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	18	0.9
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	18	0.9
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	7	0.9
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	19	0.9
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	19	0.9
(2,2141)	1:24:A:GLY:HA2	1:26:A:ARG:HG3	10	0.9
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	3	0.9
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	3	0.9
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	3	0.9
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	19	0.9
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	19	0.9
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	19	0.9
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	18	0.9
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	18	0.9
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	18	0.9
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	1	0.9
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	7	0.9
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	12	0.9
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	15	0.9
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	15	0.9
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	15	0.9
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	5	0.9
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	5	0.9
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	5	0.9
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	15	0.9
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	15	0.9
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	15	0.9
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	11	0.9
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	11	0.9
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	11	0.9
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	8	0.9
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	17	0.9
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	17	0.9
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	14	0.9
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	1	0.9
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	1	0.9
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	1	0.9
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	14	0.9
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	17	0.9
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	3	0.9
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	15	0.9
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	10	0.9
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	10	0.9
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	10	0.9
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	2	0.9
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	8	0.9
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	18	0.9
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	8	0.9
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	12	0.9
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	7	0.9
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	18	0.9
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	12	0.9
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	2	0.9
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	2	0.9
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	2	0.9
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	1	0.9
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	10	0.9
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	17	0.9
(2,285)	1:115:A:LYS:H	1:118:A:GLY:H	13	0.9
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	9	0.9
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG21	13	0.9
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG22	13	0.9
(2,13)	1:129:A:ALA:H	1:137:A:ILE:HG23	13	0.9
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	1	0.9
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	2	0.9
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	13	0.9
(1,382)	1:56:A:VAL:HG11	1:31:A:ARG:HD3	7	0.9
(1,382)	1:56:A:VAL:HG12	1:31:A:ARG:HD3	7	0.9
(1,382)	1:56:A:VAL:HG13	1:31:A:ARG:HD3	7	0.9
(1,290)	1:46:A:SER:HB2	1:51:A:MET:HG2	20	0.9
(4,66)	1:29:A:TYR:HD1	1:43:A:PRO:HA	10	0.89
(4,66)	1:29:A:TYR:HD2	1:43:A:PRO:HA	10	0.89
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	7	0.89
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	3	0.89
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	3	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	3	0.89
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	14	0.89
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	15	0.89
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	18	0.89
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	12	0.89
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	12	0.89
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	12	0.89
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	1	0.89
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	1	0.89
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	1	0.89
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	1	0.89
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	1	0.89
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	1	0.89
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	1	0.89
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	1	0.89
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	1	0.89
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE1	3	0.89
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE2	3	0.89
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE3	3	0.89
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	1	0.89
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	1	0.89
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	1	0.89
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	15	0.89
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	15	0.89
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	15	0.89
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	15	0.89
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	15	0.89
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	15	0.89
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	15	0.89
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	15	0.89
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	15	0.89
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	3	0.89
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	13	0.89
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	13	0.89
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	13	0.89
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	20	0.89
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	2	0.89
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	20	0.89
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	14	0.89
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	1	0.89
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	14	0.89
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	8	0.89
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	8	0.89
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	10	0.89
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	3	0.89
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	3	0.89
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	3	0.89
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	18	0.89
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	18	0.89
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	18	0.89
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA2	7	0.89
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA3	7	0.89
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	1	0.89
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	1	0.89
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	1	0.89
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	4	0.89
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	4	0.89
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	4	0.89
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	6	0.89
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	6	0.89
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	6	0.89
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	10	0.89
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	10	0.89
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	10	0.89
(2,1913)	1:122:A:PRO:HB2	1:112:A:MET:HA	20	0.89
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	6	0.89
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	13	0.89
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	15	0.89
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	5	0.89
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	5	0.89
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	18	0.89
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	18	0.89
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	18	0.89
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	6	0.89
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	16	0.89
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	14	0.89
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	14	0.89
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	14	0.89
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	15	0.89
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	15	0.89
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	15	0.89
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	18	0.89
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	18	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	18	0.89
(2,1126)	1:93:A:GLU:HB2	1:87:A:GLY:H	5	0.89
(2,1109)	1:80:A:ARG:HG3	1:81:A:THR:H	4	0.89
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	3	0.89
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	5	0.89
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	19	0.89
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	19	0.89
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	19	0.89
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	17	0.89
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	18	0.89
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	1	0.89
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	1	0.89
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	1	0.89
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	18	0.89
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	3	0.89
(2,372)	1:75:A:GLN:H	1:74:A:THR:H	12	0.89
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	13	0.89
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	13	0.89
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	13	0.89
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	5	0.89
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	4	0.89
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	4	0.89
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	4	0.89
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	10	0.89
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	12	0.88
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	12	0.88
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	12	0.88
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	20	0.88
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	20	0.88
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	20	0.88
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	14	0.88
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	14	0.88
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	14	0.88
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	14	0.88
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	14	0.88
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	14	0.88
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	14	0.88
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	14	0.88
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	14	0.88
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	19	0.88
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	19	0.88
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	7	0.88
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	7	0.88
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	7	0.88
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	7	0.88
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	7	0.88
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	7	0.88
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB1	7	0.88
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB2	7	0.88
(2,3584)	1:147:A:VAL:HG11	1:101:A:ALA:HB3	7	0.88
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB1	7	0.88
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB2	7	0.88
(2,3584)	1:147:A:VAL:HG12	1:101:A:ALA:HB3	7	0.88
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB1	7	0.88
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB2	7	0.88
(2,3584)	1:147:A:VAL:HG13	1:101:A:ALA:HB3	7	0.88
(2,3561)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	6	0.88
(2,3561)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	6	0.88
(2,3561)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	6	0.88
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	3	0.88
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	3	0.88
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	3	0.88
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	14	0.88
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	14	0.88
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	14	0.88
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	14	0.88
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	14	0.88
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	14	0.88
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	14	0.88
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	14	0.88
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	14	0.88
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	5	0.88
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	5	0.88
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	5	0.88
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	5	0.88
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	5	0.88
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	5	0.88
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	12	0.88
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	12	0.88
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	12	0.88
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	8	0.88
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	8	0.88
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	8	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	8	0.88
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	8	0.88
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	8	0.88
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	8	0.88
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	8	0.88
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	8	0.88
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	13	0.88
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	13	0.88
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	13	0.88
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	13	0.88
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	13	0.88
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	13	0.88
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	13	0.88
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	13	0.88
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	13	0.88
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	1	0.88
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	1	0.88
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	1	0.88
(2,2942)	1:162:A:ARG:HB2	1:163:A:GLY:H	17	0.88
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	13	0.88
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	1	0.88
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	1	0.88
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	1	0.88
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	3	0.88
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	3	0.88
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	3	0.88
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	18	0.88
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	18	0.88
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	18	0.88
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	19	0.88
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	5	0.88
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	5	0.88
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	20	0.88
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	17	0.88
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	8	0.88
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	8	0.88
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	8	0.88
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	7	0.88
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	7	0.88
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	7	0.88
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	11	0.88
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA2	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA3	3	0.88
(2,1930)	1:141:A:LEU:HD11	1:141:A:LEU:HA	8	0.88
(2,1930)	1:141:A:LEU:HD12	1:141:A:LEU:HA	8	0.88
(2,1930)	1:141:A:LEU:HD13	1:141:A:LEU:HA	8	0.88
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	7	0.88
(2,1417)	1:98:A:PRO:HA	1:135:A:SER:HB3	3	0.88
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	13	0.88
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	4	0.88
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	4	0.88
(2,1326)	1:92:A:THR:HB	1:94:A:ARG:HD2	8	0.88
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	11	0.88
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	17	0.88
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	17	0.88
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	17	0.88
(2,1109)	1:80:A:ARG:HG3	1:81:A:THR:H	7	0.88
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	6	0.88
(2,861)	1:145:A:GLN:H	1:142:A:LYS:HB2	2	0.88
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	20	0.88
(2,762)	1:125:A:VAL:HG11	1:109:A:THR:H	7	0.88
(2,762)	1:125:A:VAL:HG12	1:109:A:THR:H	7	0.88
(2,762)	1:125:A:VAL:HG13	1:109:A:THR:H	7	0.88
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	6	0.88
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	6	0.88
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	6	0.88
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	7	0.88
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	7	0.88
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	7	0.88
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	4	0.88
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	4	0.88
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	14	0.88
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	14	0.88
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	14	0.88
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	17	0.88
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	17	0.88
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	17	0.88
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	14	0.88
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	11	0.88
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	13	0.88
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	11	0.88
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	11	0.88
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	11	0.88
(2,309)	1:148:A:VAL:H	1:147:A:VAL:HB	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	15	0.88
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	14	0.88
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	9	0.87
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	9	0.87
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	9	0.87
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	2	0.87
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	2	0.87
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	2	0.87
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	6	0.87
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	6	0.87
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	6	0.87
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	1	0.87
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	7	0.87
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	2	0.87
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	15	0.87
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	15	0.87
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	15	0.87
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	18	0.87
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	18	0.87
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	18	0.87
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	1	0.87
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	1	0.87
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	1	0.87
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	18	0.87
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	18	0.87
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	18	0.87
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	18	0.87
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	18	0.87
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	18	0.87
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	14	0.87
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	14	0.87
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	14	0.87
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	2	0.87
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	2	0.87
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	2	0.87
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	20	0.87
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	20	0.87
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	20	0.87
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	14	0.87
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	14	0.87
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	14	0.87
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	14	0.87
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	14	0.87
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	16	0.87
(2,3054)	1:80:A:ARG:HG3	1:81:A:THR:H	10	0.87
(2,3054)	1:80:A:ARG:HG3	1:81:A:THR:H	14	0.87
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	8	0.87
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	10	0.87
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	6	0.87
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	14	0.87
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	5	0.87
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	5	0.87
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	5	0.87
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	19	0.87
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	19	0.87
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	19	0.87
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	10	0.87
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	16	0.87
(2,2568)	1:96:A:LEU:HD21	1:85:A:LYS:HB3	5	0.87
(2,2568)	1:96:A:LEU:HD22	1:85:A:LYS:HB3	5	0.87
(2,2568)	1:96:A:LEU:HD23	1:85:A:LYS:HB3	5	0.87
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	19	0.87
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	3	0.87
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	9	0.87
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	10	0.87
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	12	0.87
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	20	0.87
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	19	0.87
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	7	0.87
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	7	0.87
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	7	0.87
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	15	0.87
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	12	0.87
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	12	0.87
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	12	0.87
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	5	0.87
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	5	0.87
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	5	0.87
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	20	0.87
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	12	0.87
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	12	0.87
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	16	0.87
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	16	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	13	0.87
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	13	0.87
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	13	0.87
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	13	0.87
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	13	0.87
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	13	0.87
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	10	0.87
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	20	0.87
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	20	0.87
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	20	0.87
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	6	0.87
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	4	0.87
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	4	0.87
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	4	0.87
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	4	0.87
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	8	0.87
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	8	0.87
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	8	0.87
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	8	0.87
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	13	0.87
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	13	0.87
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	13	0.87
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	4	0.87
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	16	0.87
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	9	0.87
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	19	0.87
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	15	0.87
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	2	0.87
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	5	0.87
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	8	0.87
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	12	0.87
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	11	0.87
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	8	0.87
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	3	0.86
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	3	0.86
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	3	0.86
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	15	0.86
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	2	0.86
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	17	0.86
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	17	0.86
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	17	0.86
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	20	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	20	0.86
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	20	0.86
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	8	0.86
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	5	0.86
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	4	0.86
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	5	0.86
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	5	0.86
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	5	0.86
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	17	0.86
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	17	0.86
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	17	0.86
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	2	0.86
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	2	0.86
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	2	0.86
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	2	0.86
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	2	0.86
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	2	0.86
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	8	0.86
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	8	0.86
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	8	0.86
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	8	0.86
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	8	0.86
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	8	0.86
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	6	0.86
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	6	0.86
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	6	0.86
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	2	0.86
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	2	0.86
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	2	0.86
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	14	0.86
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	14	0.86
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	14	0.86
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	17	0.86
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	17	0.86
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	17	0.86
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	14	0.86
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	14	0.86
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	14	0.86
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	14	0.86
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	14	0.86
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	14	0.86
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	14	0.86
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	14	0.86
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB1	14	0.86
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB2	14	0.86
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB3	14	0.86
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB1	14	0.86
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB2	14	0.86
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB3	14	0.86
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB1	14	0.86
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB2	14	0.86
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB3	14	0.86
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	3	0.86
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	3	0.86
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	3	0.86
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	12	0.86
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	12	0.86
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	12	0.86
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	12	0.86
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	12	0.86
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	12	0.86
(2,3054)	1:80:A:ARG:HG3	1:81:A:THR:H	16	0.86
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	1	0.86
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	2	0.86
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	2	0.86
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	2	0.86
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	11	0.86
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	11	0.86
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	11	0.86
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	11	0.86
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	11	0.86
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	11	0.86
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	11	0.86
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	11	0.86
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	11	0.86
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	18	0.86
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	6	0.86
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	6	0.86
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	6	0.86
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	18	0.86
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	18	0.86
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	18	0.86
(2,2239)	1:38:A:GLN:HG2	1:53:A:LEU:HB2	10	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2239)	1:38:A:GLN:HG3	1:53:A:LEU:HB2	10	0.86
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	4	0.86
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	15	0.86
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	12	0.86
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	4	0.86
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	7	0.86
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	17	0.86
(2,1417)	1:98:A:PRO:HA	1:135:A:SER:HB3	11	0.86
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	16	0.86
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	6	0.86
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	6	0.86
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	6	0.86
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	4	0.86
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	4	0.86
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	4	0.86
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	20	0.86
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	20	0.86
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	20	0.86
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	3	0.86
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	3	0.86
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	3	0.86
(2,762)	1:125:A:VAL:HG11	1:109:A:THR:H	4	0.86
(2,762)	1:125:A:VAL:HG12	1:109:A:THR:H	4	0.86
(2,762)	1:125:A:VAL:HG13	1:109:A:THR:H	4	0.86
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	9	0.86
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	3	0.86
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	9	0.86
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	5	0.86
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	4	0.86
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	4	0.86
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	4	0.86
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	5	0.86
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	7	0.86
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	3	0.86
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	3	0.86
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	3	0.86
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	14	0.86
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	14	0.86
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	14	0.86
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	15	0.86
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	15	0.86
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	20	0.86
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	20	0.86
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	20	0.86
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	12	0.86
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	12	0.86
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	12	0.86
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	4	0.86
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA3	13	0.86
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA2	13	0.86
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	20	0.86
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	1	0.86
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	8	0.86
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	8	0.86
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	8	0.86
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	14	0.86
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	14	0.86
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	14	0.86
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	4	0.86
(1,290)	1:46:A:SER:HB2	1:51:A:MET:HG2	18	0.86
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	7	0.86
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	1	0.85
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	1	0.85
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	1	0.85
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	2	0.85
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	7	0.85
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	7	0.85
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	7	0.85
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	15	0.85
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	15	0.85
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	15	0.85
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	18	0.85
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	18	0.85
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	18	0.85
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	6	0.85
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	6	0.85
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	6	0.85
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	12	0.85
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	12	0.85
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	12	0.85
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	9	0.85
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	9	0.85
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	9	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	6	0.85
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	6	0.85
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	6	0.85
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	20	0.85
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	20	0.85
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	20	0.85
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	14	0.85
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	14	0.85
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	14	0.85
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	13	0.85
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	13	0.85
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	13	0.85
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	13	0.85
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	13	0.85
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	13	0.85
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	13	0.85
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	13	0.85
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	13	0.85
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	13	0.85
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	13	0.85
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	13	0.85
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	2	0.85
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	2	0.85
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	2	0.85
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	13	0.85
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	13	0.85
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	13	0.85
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	14	0.85
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	14	0.85
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	14	0.85
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	9	0.85
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	20	0.85
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	4	0.85
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	4	0.85
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	4	0.85
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	4	0.85
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	4	0.85
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	4	0.85
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	20	0.85
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	20	0.85
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	20	0.85
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	20	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	20	0.85
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	20	0.85
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	4	0.85
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	6	0.85
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	12	0.85
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	10	0.85
(2,2942)	1:162:A:ARG:HB2	1:163:A:GLY:H	15	0.85
(2,2942)	1:162:A:ARG:HB2	1:163:A:GLY:H	20	0.85
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	12	0.85
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	12	0.85
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	12	0.85
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	3	0.85
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	3	0.85
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	3	0.85
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	3	0.85
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	19	0.85
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	2	0.85
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	12	0.85
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	18	0.85
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	16	0.85
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	1	0.85
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	18	0.85
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	4	0.85
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	7	0.85
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	7	0.85
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	7	0.85
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	17	0.85
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	5	0.85
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	11	0.85
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	11	0.85
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	11	0.85
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	8	0.85
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	8	0.85
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	8	0.85
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	11	0.85
(2,902)	1:73:A:VAL:HA	1:74:A:THR:H	15	0.85
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	18	0.85
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	18	0.85
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	18	0.85
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	10	0.85
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	10	0.85
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	10	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	11	0.85
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	11	0.85
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	11	0.85
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	3	0.85
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	10	0.85
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	17	0.85
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	4	0.85
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	8	0.85
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	8	0.85
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	8	0.85
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	8	0.85
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	2	0.85
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	2	0.85
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	2	0.85
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	18	0.85
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	8	0.85
(1,410)	1:49:A:MET:HE1	1:49:A:MET:HG3	15	0.85
(1,410)	1:49:A:MET:HE2	1:49:A:MET:HG3	15	0.85
(1,410)	1:49:A:MET:HE3	1:49:A:MET:HG3	15	0.85
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	17	0.85
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	17	0.85
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	17	0.85
(1,362)	1:53:A:LEU:HD21	1:32:A:ASP:HB2	10	0.85
(1,362)	1:53:A:LEU:HD22	1:32:A:ASP:HB2	10	0.85
(1,362)	1:53:A:LEU:HD23	1:32:A:ASP:HB2	10	0.85
(1,290)	1:46:A:SER:HB2	1:51:A:MET:HG2	7	0.85
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	2	0.85
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	9	0.85
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	19	0.85
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	12	0.84
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	12	0.84
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	12	0.84
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	1	0.84
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	1	0.84
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	1	0.84
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	19	0.84
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	19	0.84
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	1	0.84
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	1	0.84
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	3	0.84
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	3	0.84
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	13	0.84
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	13	0.84
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	13	0.84
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	18	0.84
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	18	0.84
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	18	0.84
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	7	0.84
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	7	0.84
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	7	0.84
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	7	0.84
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	7	0.84
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	7	0.84
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	7	0.84
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	7	0.84
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	7	0.84
(2,3526)	1:49:A:MET:HE1	1:49:A:MET:HG3	15	0.84
(2,3526)	1:49:A:MET:HE2	1:49:A:MET:HG3	15	0.84
(2,3526)	1:49:A:MET:HE3	1:49:A:MET:HG3	15	0.84
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	18	0.84
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	18	0.84
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	18	0.84
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	18	0.84
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	18	0.84
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	18	0.84
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	18	0.84
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	18	0.84
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	18	0.84
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	12	0.84
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	12	0.84
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	12	0.84
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	12	0.84
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	12	0.84
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	12	0.84
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	12	0.84
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	12	0.84
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	12	0.84
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG11	8	0.84
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG12	8	0.84
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG13	8	0.84
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	8	0.84
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	8	0.84
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	13	0.84
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	13	0.84
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	13	0.84
(2,3306)	1:84:A:VAL:HG21	1:86:A:LEU:HG	10	0.84
(2,3306)	1:84:A:VAL:HG22	1:86:A:LEU:HG	10	0.84
(2,3306)	1:84:A:VAL:HG23	1:86:A:LEU:HG	10	0.84
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	19	0.84
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	19	0.84
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	19	0.84
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	6	0.84
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	6	0.84
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	6	0.84
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	20	0.84
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	4	0.84
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	6	0.84
(2,2910)	1:84:A:VAL:HB	1:144:A:GLY:H	18	0.84
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	2	0.84
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	10	0.84
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	10	0.84
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	10	0.84
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	15	0.84
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	6	0.84
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	6	0.84
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	6	0.84
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	13	0.84
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	5	0.84
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	7	0.84
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	6	0.84
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	17	0.84
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	14	0.84
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	18	0.84
(2,2121)	1:61:A:ASN:HB2	1:64:A:GLY:HA2	1	0.84
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	2	0.84
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	13	0.84
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	13	0.84
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	13	0.84
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	19	0.84
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	19	0.84
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	19	0.84
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	19	0.84
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	19	0.84
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	19	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	14	0.84
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	1	0.84
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	9	0.84
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	9	0.84
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	9	0.84
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	20	0.84
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	20	0.84
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	8	0.84
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	3	0.84
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	3	0.84
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	3	0.84
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	6	0.84
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	17	0.84
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	17	0.84
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	17	0.84
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	3	0.84
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	20	0.84
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	8	0.84
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	7	0.84
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	14	0.84
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	17	0.84
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	11	0.84
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	1	0.84
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	6	0.84
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	16	0.84
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	11	0.84
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	13	0.84
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	13	0.84
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	13	0.83
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	13	0.83
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	13	0.83
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	15	0.83
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	15	0.83
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	15	0.83
(2,3521)	1:49:A:MET:HE1	1:34:A:MET:HA	3	0.83
(2,3521)	1:49:A:MET:HE2	1:34:A:MET:HA	3	0.83
(2,3521)	1:49:A:MET:HE3	1:34:A:MET:HA	3	0.83
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	9	0.83
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	9	0.83
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	9	0.83
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	18	0.83
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	18	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	18	0.83
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	7	0.83
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	7	0.83
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	7	0.83
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	6	0.83
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	6	0.83
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	6	0.83
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	17	0.83
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	17	0.83
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	17	0.83
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	4	0.83
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	19	0.83
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	5	0.83
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	5	0.83
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	5	0.83
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	13	0.83
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	14	0.83
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	15	0.83
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	16	0.83
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	9	0.83
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	9	0.83
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	9	0.83
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	17	0.83
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	17	0.83
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	17	0.83
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	7	0.83
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	15	0.83
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	15	0.83
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	15	0.83
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	15	0.83
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	15	0.83
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	15	0.83
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	18	0.83
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	18	0.83
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	18	0.83
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	19	0.83
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	19	0.83
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	19	0.83
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG21	2	0.83
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG22	2	0.83
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG23	2	0.83
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	11	0.83
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	11	0.83
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	11	0.83
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	20	0.83
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	20	0.83
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	20	0.83
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	1	0.83
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	1	0.83
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	1	0.83
(2,2354)	1:53:A:LEU:HD11	1:32:A:ASP:HB3	7	0.83
(2,2354)	1:53:A:LEU:HD12	1:32:A:ASP:HB3	7	0.83
(2,2354)	1:53:A:LEU:HD13	1:32:A:ASP:HB3	7	0.83
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	15	0.83
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	5	0.83
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	10	0.83
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	10	0.83
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	10	0.83
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	9	0.83
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	20	0.83
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA2	18	0.83
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA3	18	0.83
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	9	0.83
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	16	0.83
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	1	0.83
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	2	0.83
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	4	0.83
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	8	0.83
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	10	0.83
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	13	0.83
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	14	0.83
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	20	0.83
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	11	0.83
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	11	0.83
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	11	0.83
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	13	0.83
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	13	0.83
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	13	0.83
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	15	0.83
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	15	0.83
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	1	0.83
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	1	0.83
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	6	0.83
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	13	0.83
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	13	0.83
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	13	0.83
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	10	0.83
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	7	0.83
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	7	0.83
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	7	0.83
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	7	0.83
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	1	0.83
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	1	0.83
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	1	0.83
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	18	0.83
(2,715)	1:102:A:LEU:HB3	1:101:A:ALA:H	7	0.83
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	5	0.83
(2,568)	1:73:A:VAL:H	1:72:A:ARG:HB2	9	0.83
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	10	0.83
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	10	0.83
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	10	0.83
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	1	0.83
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	6	0.83
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	20	0.83
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	12	0.83
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	12	0.83
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	12	0.83
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	9	0.83
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	12	0.83
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	5	0.83
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	5	0.83
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	5	0.83
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	16	0.83
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	16	0.83
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	16	0.83
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	12	0.83
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	20	0.83
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	18	0.83
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	18	0.83
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	18	0.83
(2,1)	1:129:A:ALA:H	1:127:A:ALA:H	11	0.83
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	4	0.83
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	1	0.83
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	1	0.83
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	15	0.83
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	15	0.83
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	15	0.83
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	3	0.83
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	3	0.83
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	20	0.83
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	14	0.83
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	16	0.82
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	9	0.82
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	9	0.82
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	9	0.82
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	10	0.82
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	10	0.82
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	10	0.82
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD21	8	0.82
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD22	8	0.82
(3,104)	1:38:A:GLN:HB3	1:53:A:LEU:HD23	8	0.82
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	10	0.82
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	10	0.82
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	10	0.82
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	10	0.82
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	17	0.82
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	17	0.82
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	17	0.82
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	17	0.82
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	17	0.82
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	17	0.82
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	15	0.82
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	15	0.82
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	15	0.82
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE1	19	0.82
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE2	19	0.82
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE3	19	0.82
(2,3473)	1:75:A:GLN:HB3	1:73:A:VAL:HG11	20	0.82
(2,3473)	1:75:A:GLN:HB3	1:73:A:VAL:HG12	20	0.82
(2,3473)	1:75:A:GLN:HB3	1:73:A:VAL:HG13	20	0.82
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	8	0.82
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	8	0.82
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	8	0.82
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	20	0.82
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	20	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	20	0.82
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	17	0.82
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	17	0.82
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	17	0.82
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	10	0.82
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	10	0.82
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	10	0.82
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	15	0.82
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	15	0.82
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	15	0.82
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	19	0.82
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	19	0.82
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	19	0.82
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	17	0.82
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	17	0.82
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	17	0.82
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	17	0.82
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	17	0.82
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	17	0.82
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	17	0.82
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	17	0.82
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	17	0.82
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	9	0.82
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	9	0.82
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	9	0.82
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD21	10	0.82
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD22	10	0.82
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD23	10	0.82
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD21	14	0.82
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD22	14	0.82
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD23	14	0.82
(2,3181)	1:161:A:LEU:HA	1:161:A:LEU:HD21	7	0.82
(2,3181)	1:161:A:LEU:HA	1:161:A:LEU:HD22	7	0.82
(2,3181)	1:161:A:LEU:HA	1:161:A:LEU:HD23	7	0.82
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	9	0.82
(2,3109)	1:34:A:MET:HA	1:36:A:PRO:HG2	20	0.82
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	13	0.82
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	1	0.82
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	1	0.82
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	16	0.82
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	20	0.82
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	5	0.82
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	5	0.82
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	5	0.82
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	4	0.82
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	5	0.82
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	6	0.82
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	9	0.82
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	20	0.82
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	12	0.82
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	12	0.82
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	11	0.82
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	7	0.82
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	7	0.82
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	9	0.82
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA2	9	0.82
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA3	9	0.82
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	12	0.82
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	12	0.82
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	12	0.82
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	9	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	3	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	5	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	6	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	7	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	9	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	11	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	12	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	15	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	16	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	17	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	18	0.82
(2,1728)	1:20:A:GLU:HB3	1:20:A:GLU:HA	19	0.82
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	16	0.82
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	12	0.82
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	12	0.82
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	12	0.82
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	10	0.82
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	10	0.82
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	10	0.82
(2,1417)	1:98:A:PRO:HA	1:135:A:SER:HB3	6	0.82
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	7	0.82
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	5	0.82
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	15	0.82
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	15	0.82
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	15	0.82
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	19	0.82
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	19	0.82
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	19	0.82
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	18	0.82
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	10	0.82
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	10	0.82
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	10	0.82
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	7	0.82
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	15	0.82
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	2	0.82
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	1	0.82
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	13	0.82
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	7	0.82
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	11	0.82
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	6	0.82
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	6	0.82
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	6	0.82
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	6	0.82
(2,242)	1:88:A:ARG:HB3	1:94:A:ARG:H	5	0.82
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	17	0.82
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	17	0.82
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	17	0.82
(1,519)	1:35:A:VAL:H	1:34:A:MET:HB2	20	0.82
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	8	0.82
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	16	0.82
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	1	0.82
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	17	0.81
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	17	0.81
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	17	0.81
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	1	0.81
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	1	0.81
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	1	0.81
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	19	0.81
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	19	0.81
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	19	0.81
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	9	0.81
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	12	0.81
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,9)	1:42:A:LYS:HB2	1:30:A:TRP:HH2	7	0.81
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	19	0.81
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	19	0.81
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	19	0.81
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	19	0.81
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	19	0.81
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	19	0.81
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	19	0.81
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	19	0.81
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	19	0.81
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	2	0.81
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	2	0.81
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	2	0.81
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	12	0.81
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	12	0.81
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	12	0.81
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	12	0.81
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	12	0.81
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	12	0.81
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	3	0.81
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	3	0.81
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	3	0.81
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	1	0.81
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	1	0.81
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	1	0.81
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	8	0.81
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	8	0.81
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	8	0.81
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE1	16	0.81
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE2	16	0.81
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE3	16	0.81
(2,3526)	1:49:A:MET:HE1	1:49:A:MET:HG3	4	0.81
(2,3526)	1:49:A:MET:HE2	1:49:A:MET:HG3	4	0.81
(2,3526)	1:49:A:MET:HE3	1:49:A:MET:HG3	4	0.81
(2,3526)	1:49:A:MET:HE1	1:49:A:MET:HG3	6	0.81
(2,3526)	1:49:A:MET:HE2	1:49:A:MET:HG3	6	0.81
(2,3526)	1:49:A:MET:HE3	1:49:A:MET:HG3	6	0.81
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE1	20	0.81
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE2	20	0.81
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE3	20	0.81
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	16	0.81
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	16	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	16	0.81
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	5	0.81
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	5	0.81
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	5	0.81
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	20	0.81
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	20	0.81
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	20	0.81
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	4	0.81
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	4	0.81
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	4	0.81
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	15	0.81
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	2	0.81
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	1	0.81
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	1	0.81
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	1	0.81
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	15	0.81
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	15	0.81
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	15	0.81
(2,3195)	1:103:A:ILE:H	1:102:A:LEU:HD11	14	0.81
(2,3195)	1:103:A:ILE:H	1:102:A:LEU:HD12	14	0.81
(2,3195)	1:103:A:ILE:H	1:102:A:LEU:HD13	14	0.81
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	13	0.81
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	13	0.81
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	13	0.81
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	19	0.81
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	19	0.81
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	6	0.81
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	6	0.81
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	6	0.81
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	13	0.81
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	13	0.81
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	13	0.81
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	9	0.81
(2,2723)	1:51:A:MET:HB3	1:49:A:MET:HG3	17	0.81
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	2	0.81
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	2	0.81
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	2	0.81
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG21	9	0.81
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG22	9	0.81
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG23	9	0.81
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	3	0.81
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	3	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	3	0.81
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	1	0.81
(2,2206)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	13	0.81
(2,2206)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	13	0.81
(2,2206)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	13	0.81
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	20	0.81
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	20	0.81
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	20	0.81
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	5	0.81
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	14	0.81
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	15	0.81
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	13	0.81
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	3	0.81
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	3	0.81
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	3	0.81
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	4	0.81
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	4	0.81
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	4	0.81
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	20	0.81
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	15	0.81
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	15	0.81
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	15	0.81
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	3	0.81
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	3	0.81
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	3	0.81
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	2	0.81
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	13	0.81
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	20	0.81
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	1	0.81
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	1	0.81
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	1	0.81
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	10	0.81
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	10	0.81
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	10	0.81
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	20	0.81
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	1	0.81
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	1	0.81
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	1	0.81
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	17	0.81
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	4	0.81
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	15	0.81
(2,412)	1:97:A:VAL:HG21	1:136:A:GLU:H	19	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,412)	1:97:A:VAL:HG22	1:136:A:GLU:H	19	0.81
(2,412)	1:97:A:VAL:HG23	1:136:A:GLU:H	19	0.81
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	7	0.81
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	7	0.81
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	7	0.81
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	17	0.81
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA3	18	0.81
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA2	18	0.81
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	1	0.81
(1,410)	1:49:A:MET:HE1	1:49:A:MET:HG3	4	0.81
(1,410)	1:49:A:MET:HE2	1:49:A:MET:HG3	4	0.81
(1,410)	1:49:A:MET:HE3	1:49:A:MET:HG3	4	0.81
(1,410)	1:49:A:MET:HE1	1:49:A:MET:HG3	6	0.81
(1,410)	1:49:A:MET:HE2	1:49:A:MET:HG3	6	0.81
(1,410)	1:49:A:MET:HE3	1:49:A:MET:HG3	6	0.81
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	13	0.81
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	5	0.8
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	5	0.8
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	5	0.8
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	12	0.8
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	12	0.8
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	12	0.8
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	7	0.8
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD2	2	0.8
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD3	2	0.8
(3,44)	1:39:A:ARG:HG3	1:31:A:ARG:HD3	2	0.8
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	4	0.8
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	4	0.8
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	4	0.8
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	8	0.8
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	8	0.8
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	8	0.8
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	8	0.8
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	8	0.8
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	8	0.8
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	8	0.8
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	8	0.8
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	8	0.8
(2,3526)	1:49:A:MET:HE1	1:49:A:MET:HG3	12	0.8
(2,3526)	1:49:A:MET:HE2	1:49:A:MET:HG3	12	0.8
(2,3526)	1:49:A:MET:HE3	1:49:A:MET:HG3	12	0.8
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	4	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	4	0.8
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	4	0.8
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	3	0.8
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	3	0.8
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	3	0.8
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB1	4	0.8
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB2	4	0.8
(2,3372)	1:123:A:VAL:HG11	1:111:A:ALA:HB3	4	0.8
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB1	4	0.8
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB2	4	0.8
(2,3372)	1:123:A:VAL:HG12	1:111:A:ALA:HB3	4	0.8
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB1	4	0.8
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB2	4	0.8
(2,3372)	1:123:A:VAL:HG13	1:111:A:ALA:HB3	4	0.8
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	7	0.8
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	7	0.8
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	7	0.8
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	2	0.8
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	2	0.8
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	2	0.8
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	2	0.8
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	5	0.8
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	11	0.8
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	14	0.8
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	3	0.8
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	15	0.8
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	12	0.8
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	12	0.8
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	12	0.8
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	12	0.8
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	12	0.8
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	12	0.8
(2,2723)	1:51:A:MET:HB3	1:49:A:MET:HG3	18	0.8
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	18	0.8
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	6	0.8
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	18	0.8
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	18	0.8
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	18	0.8
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	14	0.8
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	20	0.8
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	10	0.8
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	19	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1417)	1:98:A:PRO:HA	1:135:A:SER:HB3	5	0.8
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	13	0.8
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	13	0.8
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	6	0.8
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	6	0.8
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	6	0.8
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	19	0.8
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	19	0.8
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	19	0.8
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	11	0.8
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	5	0.8
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	5	0.8
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	5	0.8
(2,902)	1:73:A:VAL:HA	1:74:A:THR:H	19	0.8
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	12	0.8
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	12	0.8
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	12	0.8
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	6	0.8
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	12	0.8
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	5	0.8
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	5	0.8
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	19	0.8
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	2	0.8
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	14	0.8
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	19	0.8
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	11	0.8
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	11	0.8
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	11	0.8
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	15	0.8
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	14	0.8
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	1	0.8
(1,410)	1:49:A:MET:HE1	1:49:A:MET:HG3	12	0.8
(1,410)	1:49:A:MET:HE2	1:49:A:MET:HG3	12	0.8
(1,410)	1:49:A:MET:HE3	1:49:A:MET:HG3	12	0.8
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	8	0.8
(1,71)	1:33:A:PRO:HA	1:33:A:PRO:HG3	2	0.8
(1,71)	1:33:A:PRO:HA	1:33:A:PRO:HG3	19	0.8
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	4	0.8
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	6	0.79
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	6	0.79
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	6	0.79
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	6	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	14	0.79
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	14	0.79
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	14	0.79
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	14	0.79
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	17	0.79
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	16	0.79
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	16	0.79
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	16	0.79
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	8	0.79
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	8	0.79
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	8	0.79
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	13	0.79
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	13	0.79
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	13	0.79
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	13	0.79
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	13	0.79
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	13	0.79
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	5	0.79
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	5	0.79
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	5	0.79
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	8	0.79
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	8	0.79
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	8	0.79
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	11	0.79
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	11	0.79
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	11	0.79
(2,3526)	1:49:A:MET:HE1	1:49:A:MET:HG3	3	0.79
(2,3526)	1:49:A:MET:HE2	1:49:A:MET:HG3	3	0.79
(2,3526)	1:49:A:MET:HE3	1:49:A:MET:HG3	3	0.79
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	6	0.79
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	6	0.79
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	6	0.79
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	1	0.79
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	1	0.79
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	1	0.79
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	9	0.79
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	9	0.79
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	9	0.79
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	9	0.79
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	9	0.79
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	9	0.79
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	9	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	9	0.79
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	9	0.79
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	14	0.79
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	14	0.79
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	14	0.79
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	18	0.79
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	18	0.79
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	18	0.79
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	19	0.79
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	19	0.79
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	19	0.79
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD21	2	0.79
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD22	2	0.79
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD23	2	0.79
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	14	0.79
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	16	0.79
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	16	0.79
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	16	0.79
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	16	0.79
(2,2853)	1:80:A:ARG:HB3	1:150:A:SER:H	3	0.79
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	11	0.79
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	17	0.79
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	15	0.79
(2,2571)	1:158:A:GLU:HA	1:158:A:GLU:HG2	20	0.79
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	9	0.79
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	11	0.79
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	11	0.79
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	11	0.79
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	5	0.79
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	3	0.79
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	15	0.79
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	15	0.79
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	15	0.79
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	3	0.79
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	3	0.79
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	3	0.79
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	11	0.79
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	19	0.79
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	19	0.79
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	19	0.79
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	16	0.79
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD11	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD12	2	0.79
(2,1799)	1:77:A:LEU:HA	1:77:A:LEU:HD13	2	0.79
(2,1717)	1:88:A:ARG:HB3	1:93:A:GLU:HA	1	0.79
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	3	0.79
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	3	0.79
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	3	0.79
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	19	0.79
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	19	0.79
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	19	0.79
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	20	0.79
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	20	0.79
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	20	0.79
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	9	0.79
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	13	0.79
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	16	0.79
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	18	0.79
(2,1594)	1:173:A:SER:HA	1:174:A:GLY:H	9	0.79
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	7	0.79
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	14	0.79
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	1	0.79
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	7	0.79
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	7	0.79
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	7	0.79
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	8	0.79
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	18	0.79
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	20	0.79
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	7	0.79
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	7	0.79
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	7	0.79
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	9	0.79
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	9	0.79
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	9	0.79
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	6	0.79
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	6	0.79
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	6	0.79
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	19	0.79
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	19	0.79
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	13	0.79
(2,902)	1:73:A:VAL:HA	1:74:A:THR:H	17	0.79
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	16	0.79
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	16	0.79
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	16	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	5	0.79
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	7	0.79
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	7	0.79
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	7	0.79
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	14	0.79
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	13	0.79
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	2	0.79
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	2	0.79
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	2	0.79
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	3	0.79
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	15	0.79
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	12	0.79
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	19	0.79
(2,412)	1:97:A:VAL:HG21	1:136:A:GLU:H	18	0.79
(2,412)	1:97:A:VAL:HG22	1:136:A:GLU:H	18	0.79
(2,412)	1:97:A:VAL:HG23	1:136:A:GLU:H	18	0.79
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	7	0.79
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	16	0.79
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	16	0.79
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	16	0.79
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	3	0.79
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	6	0.79
(1,620)	1:53:A:LEU:HD11	1:44:A:GLY:H	10	0.79
(1,620)	1:53:A:LEU:HD12	1:44:A:GLY:H	10	0.79
(1,620)	1:53:A:LEU:HD13	1:44:A:GLY:H	10	0.79
(1,519)	1:35:A:VAL:H	1:34:A:MET:HB2	6	0.79
(1,410)	1:49:A:MET:HE1	1:49:A:MET:HG3	3	0.79
(1,410)	1:49:A:MET:HE2	1:49:A:MET:HG3	3	0.79
(1,410)	1:49:A:MET:HE3	1:49:A:MET:HG3	3	0.79
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	2	0.79
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	2	0.79
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	2	0.79
(1,359)	1:53:A:LEU:HD21	1:48:A:TYR:H	10	0.79
(1,359)	1:53:A:LEU:HD22	1:48:A:TYR:H	10	0.79
(1,359)	1:53:A:LEU:HD23	1:48:A:TYR:H	10	0.79
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	4	0.79
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	4	0.78
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	5	0.78
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	2	0.78
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	2	0.78
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	2	0.78
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	3	0.78
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	3	0.78
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	1	0.78
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	1	0.78
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	1	0.78
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	11	0.78
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	8	0.78
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	13	0.78
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	16	0.78
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD2	12	0.78
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD3	12	0.78
(3,44)	1:39:A:ARG:HG3	1:31:A:ARG:HD3	12	0.78
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	5	0.78
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	5	0.78
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	5	0.78
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	1	0.78
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	1	0.78
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	1	0.78
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE1	5	0.78
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE2	5	0.78
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE3	5	0.78
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE1	10	0.78
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE2	10	0.78
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE3	10	0.78
(2,3448)	1:127:A:ALA:HB1	1:135:A:SER:HB2	18	0.78
(2,3448)	1:127:A:ALA:HB2	1:135:A:SER:HB2	18	0.78
(2,3448)	1:127:A:ALA:HB3	1:135:A:SER:HB2	18	0.78
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG11	3	0.78
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG12	3	0.78
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG13	3	0.78
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	1	0.78
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	1	0.78
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	1	0.78
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	16	0.78
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	16	0.78
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	16	0.78
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	1	0.78
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	1	0.78
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	1	0.78
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	1	0.78
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	1	0.78
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	1	0.78
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	1	0.78
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	1	0.78
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	17	0.78
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	17	0.78
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	17	0.78
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	4	0.78
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	4	0.78
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	4	0.78
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	4	0.78
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	4	0.78
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	4	0.78
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	4	0.78
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	4	0.78
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	4	0.78
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	10	0.78
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	10	0.78
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	10	0.78
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	10	0.78
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	10	0.78
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	10	0.78
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	10	0.78
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	10	0.78
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	10	0.78
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	11	0.78
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	11	0.78
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	11	0.78
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	13	0.78
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	13	0.78
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	13	0.78
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	16	0.78
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	16	0.78
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	16	0.78
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	7	0.78
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	7	0.78
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	7	0.78
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	7	0.78
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	7	0.78
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	7	0.78
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	7	0.78
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	7	0.78
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	1	0.78
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	1	0.78
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	1	0.78
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	17	0.78
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	17	0.78
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	17	0.78
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD21	3	0.78
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD22	3	0.78
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD23	3	0.78
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	5	0.78
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	11	0.78
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	14	0.78
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	13	0.78
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	20	0.78
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	10	0.78
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	13	0.78
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	17	0.78
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	18	0.78
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	8	0.78
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	20	0.78
(2,2787)	1:73:A:VAL:H	1:73:A:VAL:HB	17	0.78
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	10	0.78
(2,2723)	1:51:A:MET:HB3	1:49:A:MET:HG3	1	0.78
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	9	0.78
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	4	0.78
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	17	0.78
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	17	0.78
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	17	0.78
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	16	0.78
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	16	0.78
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	16	0.78
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	14	0.78
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	14	0.78
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	14	0.78
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	2	0.78
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	19	0.78
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	16	0.78
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	16	0.78
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	16	0.78
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	17	0.78
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	17	0.78
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	17	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	3	0.78
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	17	0.78
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	8	0.78
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	8	0.78
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	8	0.78
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	4	0.78
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	4	0.78
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	4	0.78
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	8	0.78
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	8	0.78
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	8	0.78
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	2	0.78
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	3	0.78
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	12	0.78
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	12	0.78
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	12	0.78
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	20	0.78
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	3	0.78
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	2	0.78
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	2	0.78
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	11	0.78
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	11	0.78
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	6	0.78
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	6	0.78
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	6	0.78
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	14	0.78
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	14	0.78
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	14	0.78
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	1	0.78
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	1	0.78
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	1	0.78
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	2	0.78
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	5	0.78
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	8	0.78
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	8	0.78
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	8	0.78
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	14	0.78
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	14	0.78
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	14	0.78
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	8	0.78
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	8	0.78
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	11	0.78
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	16	0.78
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	9	0.78
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	17	0.78
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	5	0.78
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	5	0.78
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	5	0.78
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	19	0.78
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	8	0.78
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	8	0.78
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	8	0.78
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	6	0.78
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	6	0.78
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	6	0.78
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	20	0.78
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	18	0.78
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	7	0.78
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	4	0.78
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	4	0.78
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	4	0.78
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	2	0.78
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	3	0.78
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG11	8	0.78
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG12	8	0.78
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG13	8	0.78
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	16	0.78
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	9	0.78
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	17	0.78
(1,519)	1:35:A:VAL:H	1:34:A:MET:HB2	2	0.78
(1,357)	1:53:A:LEU:HD11	1:47:A:PRO:HD2	15	0.78
(1,357)	1:53:A:LEU:HD12	1:47:A:PRO:HD2	15	0.78
(1,357)	1:53:A:LEU:HD13	1:47:A:PRO:HD2	15	0.78
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	17	0.78
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	15	0.78
(4,39)	1:86:A:LEU:HD21	1:92:A:THR:H	17	0.77
(4,39)	1:86:A:LEU:HD22	1:92:A:THR:H	17	0.77
(4,39)	1:86:A:LEU:HD23	1:92:A:THR:H	17	0.77
(3,117)	1:62:A:ALA:HB1	1:60:A:GLU:H	6	0.77
(3,117)	1:62:A:ALA:HB2	1:60:A:GLU:H	6	0.77
(3,117)	1:62:A:ALA:HB3	1:60:A:GLU:H	6	0.77
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	16	0.77
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	16	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	16	0.77
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	11	0.77
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	4	0.77
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	8	0.77
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	8	0.77
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	8	0.77
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	19	0.77
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	19	0.77
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	19	0.77
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	19	0.77
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	19	0.77
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	19	0.77
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	19	0.77
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	19	0.77
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	19	0.77
(2,3526)	1:49:A:MET:HE1	1:49:A:MET:HG3	13	0.77
(2,3526)	1:49:A:MET:HE2	1:49:A:MET:HG3	13	0.77
(2,3526)	1:49:A:MET:HE3	1:49:A:MET:HG3	13	0.77
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE1	11	0.77
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE2	11	0.77
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE3	11	0.77
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	19	0.77
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	19	0.77
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	19	0.77
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	8	0.77
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	8	0.77
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	8	0.77
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	15	0.77
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	15	0.77
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	15	0.77
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	10	0.77
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	10	0.77
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	10	0.77
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	14	0.77
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	14	0.77
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	14	0.77
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	2	0.77
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	2	0.77
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	2	0.77
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	10	0.77
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	10	0.77
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	10	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	4	0.77
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	9	0.77
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	9	0.77
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	12	0.77
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	5	0.77
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	14	0.77
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	3	0.77
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	14	0.77
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	16	0.77
(2,2936)	1:68:A:ARG:H	1:68:A:ARG:HB2	9	0.77
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	14	0.77
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	14	0.77
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	14	0.77
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	7	0.77
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	20	0.77
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	6	0.77
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	10	0.77
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	16	0.77
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	2	0.77
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	13	0.77
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	8	0.77
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	11	0.77
(2,2528)	1:136:A:GLU:HG2	1:135:A:SER:H	13	0.77
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	9	0.77
(2,1815)	1:40:A:PHE:HE1	1:31:A:ARG:HA	9	0.77
(2,1815)	1:40:A:PHE:HE2	1:31:A:ARG:HA	9	0.77
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	15	0.77
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	3	0.77
(2,1417)	1:98:A:PRO:HA	1:135:A:SER:HB3	13	0.77
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	5	0.77
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	5	0.77
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	5	0.77
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	15	0.77
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	3	0.77
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	3	0.77
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	3	0.77
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	11	0.77
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	1	0.77
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	1	0.77
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	1	0.77
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	3	0.77
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	13	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	13	0.77
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	3	0.77
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	1	0.77
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	10	0.77
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	8	0.77
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	8	0.77
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	8	0.77
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	6	0.77
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	6	0.77
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	6	0.77
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	12	0.77
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	14	0.77
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	11	0.77
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	13	0.77
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	13	0.77
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	13	0.77
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	9	0.77
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	10	0.77
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	11	0.77
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	17	0.77
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	17	0.77
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	17	0.77
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	3	0.77
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	5	0.77
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	11	0.77
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	11	0.77
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	11	0.77
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	11	0.77
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	16	0.77
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	19	0.77
(1,519)	1:35:A:VAL:H	1:34:A:MET:HB2	19	0.77
(1,410)	1:49:A:MET:HE1	1:49:A:MET:HG3	13	0.77
(1,410)	1:49:A:MET:HE2	1:49:A:MET:HG3	13	0.77
(1,410)	1:49:A:MET:HE3	1:49:A:MET:HG3	13	0.77
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	9	0.77
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	1	0.77
(3,148)	1:45:A:LYS:HG3	1:49:A:MET:H	18	0.76
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	18	0.76
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	13	0.76
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	15	0.76
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	19	0.76
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	17	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	17	0.76
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	17	0.76
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	5	0.76
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	5	0.76
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	5	0.76
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	18	0.76
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE1	8	0.76
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE2	8	0.76
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	17	0.76
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	17	0.76
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	17	0.76
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	17	0.76
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	17	0.76
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	17	0.76
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	17	0.76
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	17	0.76
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	17	0.76
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	3	0.76
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	3	0.76
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	3	0.76
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	10	0.76
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	10	0.76
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	10	0.76
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	10	0.76
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	10	0.76
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	10	0.76
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	8	0.76
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	8	0.76
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	8	0.76
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	7	0.76
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	7	0.76
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	7	0.76
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	9	0.76
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	9	0.76
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	9	0.76
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	11	0.76
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	11	0.76
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	11	0.76
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	12	0.76
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	12	0.76
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	12	0.76
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	2	0.76
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	2	0.76
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	8	0.76
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	8	0.76
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	8	0.76
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	13	0.76
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	13	0.76
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	13	0.76
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	12	0.76
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	12	0.76
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	12	0.76
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	15	0.76
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	15	0.76
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	15	0.76
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	9	0.76
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	9	0.76
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	9	0.76
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	9	0.76
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	9	0.76
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	9	0.76
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	15	0.76
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	18	0.76
(2,3054)	1:80:A:ARG:HG3	1:81:A:THR:H	4	0.76
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	12	0.76
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	4	0.76
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	18	0.76
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	11	0.76
(2,2936)	1:68:A:ARG:H	1:68:A:ARG:HB2	20	0.76
(2,2815)	1:118:A:GLY:H	1:115:A:LYS:HB2	10	0.76
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	2	0.76
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	4	0.76
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	12	0.76
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	12	0.76
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	12	0.76
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	12	0.76
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	19	0.76
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	13	0.76
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	1	0.76
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	19	0.76
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	19	0.76
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	19	0.76
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	18	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	1	0.76
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	1	0.76
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	1	0.76
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	12	0.76
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	17	0.76
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	2	0.76
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	2	0.76
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	2	0.76
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	18	0.76
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	18	0.76
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	18	0.76
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	17	0.76
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	11	0.76
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	2	0.76
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	2	0.76
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	2	0.76
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	17	0.76
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	17	0.76
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	17	0.76
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	9	0.76
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	9	0.76
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	9	0.76
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	10	0.76
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	7	0.76
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	7	0.76
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	12	0.76
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	15	0.76
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	15	0.76
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	14	0.76
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	14	0.76
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	14	0.76
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	10	0.76
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	10	0.76
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	10	0.76
(2,744)	1:79:A:VAL:H	1:80:A:ARG:HB2	2	0.76
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	8	0.76
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	8	0.76
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	8	0.76
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	8	0.76
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	12	0.76
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	12	0.76
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	6	0.76
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	6	0.76
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	6	0.76
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	8	0.76
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	2	0.76
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	2	0.76
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	2	0.76
(2,447)	1:62:A:ALA:HB1	1:60:A:GLU:H	14	0.76
(2,447)	1:62:A:ALA:HB2	1:60:A:GLU:H	14	0.76
(2,447)	1:62:A:ALA:HB3	1:60:A:GLU:H	14	0.76
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	5	0.76
(2,418)	1:75:A:GLN:H	1:75:A:GLN:HB3	4	0.76
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	7	0.76
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	11	0.76
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	9	0.76
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	9	0.76
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	9	0.76
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	20	0.76
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	10	0.76
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	17	0.76
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	11	0.75
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	1	0.75
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	1	0.75
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	1	0.75
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	9	0.75
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	3	0.75
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	16	0.75
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	16	0.75
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	16	0.75
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	1	0.75
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	15	0.75
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	15	0.75
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	20	0.75
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	20	0.75
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	20	0.75
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	11	0.75
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	11	0.75
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	11	0.75
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	17	0.75
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	17	0.75
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	17	0.75
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	4	0.75
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	4	0.75
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	4	0.75
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	4	0.75
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	4	0.75
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	4	0.75
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	4	0.75
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	4	0.75
(2,3473)	1:75:A:GLN:HB3	1:73:A:VAL:HG11	12	0.75
(2,3473)	1:75:A:GLN:HB3	1:73:A:VAL:HG12	12	0.75
(2,3473)	1:75:A:GLN:HB3	1:73:A:VAL:HG13	12	0.75
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	17	0.75
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	17	0.75
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	17	0.75
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	17	0.75
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	17	0.75
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	17	0.75
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	17	0.75
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	17	0.75
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	17	0.75
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	18	0.75
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	18	0.75
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	18	0.75
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	18	0.75
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	18	0.75
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	18	0.75
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	18	0.75
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	18	0.75
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	18	0.75
(2,3382)	1:129:A:ALA:H	1:138:A:LEU:HD11	4	0.75
(2,3382)	1:129:A:ALA:H	1:138:A:LEU:HD12	4	0.75
(2,3382)	1:129:A:ALA:H	1:138:A:LEU:HD13	4	0.75
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	16	0.75
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	16	0.75
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	16	0.75
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	16	0.75
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	16	0.75
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	16	0.75
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	16	0.75
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	16	0.75
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	16	0.75
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	6	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	6	0.75
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	6	0.75
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	3	0.75
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	3	0.75
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	3	0.75
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	11	0.75
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	11	0.75
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	11	0.75
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	1	0.75
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	1	0.75
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	1	0.75
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	1	0.75
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	1	0.75
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	1	0.75
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	9	0.75
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	7	0.75
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	14	0.75
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	16	0.75
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	1	0.75
(2,3054)	1:80:A:ARG:HG3	1:81:A:THR:H	7	0.75
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	19	0.75
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	1	0.75
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	7	0.75
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	1	0.75
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	4	0.75
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	7	0.75
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	15	0.75
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	12	0.75
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	3	0.75
(2,2815)	1:118:A:GLY:H	1:115:A:LYS:HB2	11	0.75
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	9	0.75
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	20	0.75
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	5	0.75
(2,2723)	1:51:A:MET:HB3	1:49:A:MET:HG3	20	0.75
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	2	0.75
(2,2657)	1:126:A:LYS:HB3	1:139:A:GLU:HG3	2	0.75
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	13	0.75
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	13	0.75
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	13	0.75
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	17	0.75
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	17	0.75
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	17	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	7	0.75
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	6	0.75
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	6	0.75
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	10	0.75
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	2	0.75
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	9	0.75
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	20	0.75
(2,1359)	1:96:A:LEU:HD21	1:135:A:SER:HB2	12	0.75
(2,1359)	1:96:A:LEU:HD22	1:135:A:SER:HB2	12	0.75
(2,1359)	1:96:A:LEU:HD23	1:135:A:SER:HB2	12	0.75
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	13	0.75
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	1	0.75
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	1	0.75
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	7	0.75
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	7	0.75
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	7	0.75
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	8	0.75
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	7	0.75
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	7	0.75
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	7	0.75
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	7	0.75
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	7	0.75
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	7	0.75
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	20	0.75
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	17	0.75
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	17	0.75
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	17	0.75
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG11	7	0.75
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG12	7	0.75
(2,844)	1:38:A:GLN:H	1:35:A:VAL:HG13	7	0.75
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	2	0.75
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	2	0.75
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	2	0.75
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	5	0.75
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	5	0.75
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	5	0.75
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	4	0.75
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	4	0.75
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	4	0.75
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	17	0.75
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	7	0.75
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	18	0.75
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	1	0.75
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	10	0.75
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	12	0.75
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	4	0.75
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	16	0.75
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	7	0.75
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	7	0.75
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	7	0.75
(2,380)	1:22:A:LYS:H	1:24:A:GLY:HA2	12	0.75
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	1	0.75
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	1	0.75
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	1	0.75
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	15	0.75
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	15	0.75
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	15	0.75
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	19	0.75
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	1	0.75
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	8	0.75
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	18	0.75
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	16	0.74
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	11	0.74
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	11	0.74
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	11	0.74
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	9	0.74
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	12	0.74
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	12	0.74
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	12	0.74
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD2	3	0.74
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD3	3	0.74
(3,44)	1:39:A:ARG:HG3	1:31:A:ARG:HD3	3	0.74
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	17	0.74
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	17	0.74
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	17	0.74
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	15	0.74
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	15	0.74
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	15	0.74
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	14	0.74
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	14	0.74
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	14	0.74
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE1	8	0.74
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE2	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE3	8	0.74
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	7	0.74
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	7	0.74
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	7	0.74
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	3	0.74
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	3	0.74
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	3	0.74
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	19	0.74
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	19	0.74
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	19	0.74
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	12	0.74
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	12	0.74
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	12	0.74
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	4	0.74
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	4	0.74
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	4	0.74
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	14	0.74
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	14	0.74
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	14	0.74
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	20	0.74
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	20	0.74
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	20	0.74
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	7	0.74
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	7	0.74
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	7	0.74
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	8	0.74
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	8	0.74
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	15	0.74
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	15	0.74
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	17	0.74
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	17	0.74
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	18	0.74
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	18	0.74
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	11	0.74
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	10	0.74
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	10	0.74
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	10	0.74
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	11	0.74
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	5	0.74
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	13	0.74
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	18	0.74
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	8	0.74
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	8	0.74
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	8	0.74
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	10	0.74
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	10	0.74
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	10	0.74
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	20	0.74
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	20	0.74
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	20	0.74
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	6	0.74
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	19	0.74
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	19	0.74
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	19	0.74
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	13	0.74
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	12	0.74
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	12	0.74
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	7	0.74
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	7	0.74
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	7	0.74
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	4	0.74
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	12	0.74
(2,1717)	1:88:A:ARG:HB3	1:93:A:GLU:HA	5	0.74
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	17	0.74
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	17	0.74
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	17	0.74
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	2	0.74
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	12	0.74
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	6	0.74
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	6	0.74
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	9	0.74
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	3	0.74
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	3	0.74
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	3	0.74
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	11	0.74
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	11	0.74
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	11	0.74
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	1	0.74
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	16	0.74
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	16	0.74
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	16	0.74
(2,1161)	1:49:A:MET:H	1:49:A:MET:HG2	20	0.74
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	19	0.74
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	19	0.74
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	9	0.74
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	9	0.74
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	9	0.74
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	10	0.74
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	19	0.74
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	6	0.74
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	2	0.74
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	17	0.74
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	17	0.74
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	17	0.74
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	2	0.74
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	2	0.74
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	2	0.74
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	20	0.74
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	20	0.74
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	20	0.74
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	16	0.74
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	19	0.74
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	19	0.74
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	19	0.74
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	12	0.74
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	12	0.74
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	12	0.74
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	9	0.74
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	12	0.74
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	5	0.74
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	11	0.73
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	11	0.73
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	11	0.73
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	2	0.73
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	2	0.73
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	2	0.73
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	18	0.73
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	6	0.73
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	7	0.73
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	7	0.73
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	7	0.73
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	8	0.73
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	8	0.73
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	20	0.73
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	20	0.73
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	20	0.73
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	15	0.73
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	15	0.73
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	15	0.73
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	15	0.73
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	15	0.73
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	15	0.73
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	11	0.73
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	11	0.73
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	11	0.73
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	11	0.73
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	11	0.73
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	11	0.73
(2,3583)	1:147:A:VAL:HG11	1:97:A:VAL:HB	8	0.73
(2,3583)	1:147:A:VAL:HG12	1:97:A:VAL:HB	8	0.73
(2,3583)	1:147:A:VAL:HG13	1:97:A:VAL:HB	8	0.73
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	14	0.73
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	14	0.73
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	14	0.73
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	14	0.73
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	14	0.73
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	14	0.73
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	14	0.73
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	14	0.73
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	14	0.73
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	15	0.73
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	15	0.73
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	15	0.73
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	5	0.73
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	5	0.73
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	5	0.73
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	19	0.73
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	19	0.73
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	19	0.73
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	8	0.73
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	7	0.73
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	7	0.73
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	7	0.73
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	9	0.73
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	9	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	9	0.73
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	10	0.73
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	10	0.73
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	10	0.73
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	16	0.73
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	16	0.73
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	16	0.73
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	18	0.73
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	18	0.73
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	18	0.73
(2,3196)	1:102:A:LEU:HD11	1:135:A:SER:H	14	0.73
(2,3196)	1:102:A:LEU:HD12	1:135:A:SER:H	14	0.73
(2,3196)	1:102:A:LEU:HD13	1:135:A:SER:H	14	0.73
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	6	0.73
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	6	0.73
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	7	0.73
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	7	0.73
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	18	0.73
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	18	0.73
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	20	0.73
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	20	0.73
(2,3116)	1:94:A:ARG:HG2	1:94:A:ARG:H	9	0.73
(2,2995)	1:86:A:LEU:H	1:85:A:LYS:HD3	18	0.73
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	8	0.73
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	8	0.73
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	8	0.73
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	17	0.73
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	8	0.73
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	11	0.73
(2,2723)	1:51:A:MET:HB3	1:49:A:MET:HG3	8	0.73
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	4	0.73
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	19	0.73
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	1	0.73
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	13	0.73
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	13	0.73
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	13	0.73
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA2	6	0.73
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA3	6	0.73
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	5	0.73
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	5	0.73
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	5	0.73
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	8	0.73
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	13	0.73
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	13	0.73
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	13	0.73
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	10	0.73
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	14	0.73
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	3	0.73
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	3	0.73
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	3	0.73
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	16	0.73
(2,1403)	1:84:A:VAL:HA	1:85:A:LYS:HD3	12	0.73
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	8	0.73
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	8	0.73
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	6	0.73
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	6	0.73
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	6	0.73
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	8	0.73
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	8	0.73
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	8	0.73
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	11	0.73
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	11	0.73
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	11	0.73
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	19	0.73
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	13	0.73
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	4	0.73
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	10	0.73
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	10	0.73
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	11	0.73
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	11	0.73
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	12	0.73
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	12	0.73
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	20	0.73
(2,1020)	1:139:A:GLU:H	1:139:A:GLU:HG3	2	0.73
(2,930)	1:50:A:ASP:HA	1:48:A:TYR:H	2	0.73
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	18	0.73
(2,926)	1:104:A:ARG:HB2	1:106:A:GLY:H	20	0.73
(2,902)	1:73:A:VAL:HA	1:74:A:THR:H	12	0.73
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	17	0.73
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	1	0.73
(2,698)	1:53:A:LEU:H	1:45:A:LYS:H	18	0.73
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	3	0.73
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	14	0.73
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	14	0.73
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	14	0.73
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	15	0.73
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	15	0.73
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	15	0.73
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	18	0.73
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	8	0.73
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	16	0.73
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	11	0.73
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG11	3	0.73
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG12	3	0.73
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG13	3	0.73
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	3	0.73
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	12	0.73
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	7	0.73
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	7	0.73
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	7	0.73
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	17	0.73
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	4	0.73
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	16	0.73
(4,62)	1:67:A:VAL:HA	1:167:A:ARG:HB3	16	0.72
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	12	0.72
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	7	0.72
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	7	0.72
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	7	0.72
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	8	0.72
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	8	0.72
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	8	0.72
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	4	0.72
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	6	0.72
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	12	0.72
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	12	0.72
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	12	0.72
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	12	0.72
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	17	0.72
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	17	0.72
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	17	0.72
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	17	0.72
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	17	0.72
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	17	0.72
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	17	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	17	0.72
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	17	0.72
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	17	0.72
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	17	0.72
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	17	0.72
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	11	0.72
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	11	0.72
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	11	0.72
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	18	0.72
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	18	0.72
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	18	0.72
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	15	0.72
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	15	0.72
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	15	0.72
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	15	0.72
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	15	0.72
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	15	0.72
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	15	0.72
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	15	0.72
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	15	0.72
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	15	0.72
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	15	0.72
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	15	0.72
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	15	0.72
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	15	0.72
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	15	0.72
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	15	0.72
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	15	0.72
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	15	0.72
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	15	0.72
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	15	0.72
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	15	0.72
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	4	0.72
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	4	0.72
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	4	0.72
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	5	0.72
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	5	0.72
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	5	0.72
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	8	0.72
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	8	0.72
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	8	0.72
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	9	0.72
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	9	0.72
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	5	0.72
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	5	0.72
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	5	0.72
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	5	0.72
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	5	0.72
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	5	0.72
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	5	0.72
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	5	0.72
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	5	0.72
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	12	0.72
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	12	0.72
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	12	0.72
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	12	0.72
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	12	0.72
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	12	0.72
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	12	0.72
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	12	0.72
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	12	0.72
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	7	0.72
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	16	0.72
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	16	0.72
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	16	0.72
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	5	0.72
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	5	0.72
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	10	0.72
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	10	0.72
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	13	0.72
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	13	0.72
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	19	0.72
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	19	0.72
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	10	0.72
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	9	0.72
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	10	0.72
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	3	0.72
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	19	0.72
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	1	0.72
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	6	0.72
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	8	0.72
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	12	0.72
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	4	0.72
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	1	0.72
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	1	0.72
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	1	0.72
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	2	0.72
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	18	0.72
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	13	0.72
(2,2295)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	17	0.72
(2,2295)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	17	0.72
(2,2295)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	17	0.72
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	5	0.72
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	5	0.72
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	8	0.72
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	8	0.72
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	8	0.72
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	9	0.72
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	9	0.72
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	9	0.72
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	13	0.72
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	18	0.72
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	17	0.72
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	13	0.72
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	1	0.72
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	1	0.72
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	1	0.72
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	19	0.72
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	19	0.72
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	19	0.72
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	20	0.72
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	20	0.72
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	20	0.72
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	12	0.72
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	12	0.72
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	12	0.72
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	15	0.72
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	15	0.72
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	1	0.72
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	5	0.72
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	5	0.72
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	9	0.72
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	5	0.72
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	5	0.72
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	9	0.72
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	3	0.72
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	3	0.72
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	6	0.72
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	6	0.72
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	3	0.72
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	3	0.72
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	3	0.72
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	16	0.72
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	16	0.72
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	16	0.72
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	16	0.72
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	20	0.72
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	13	0.72
(2,447)	1:62:A:ALA:HB1	1:60:A:GLU:H	9	0.72
(2,447)	1:62:A:ALA:HB2	1:60:A:GLU:H	9	0.72
(2,447)	1:62:A:ALA:HB3	1:60:A:GLU:H	9	0.72
(2,447)	1:62:A:ALA:HB1	1:60:A:GLU:H	20	0.72
(2,447)	1:62:A:ALA:HB2	1:60:A:GLU:H	20	0.72
(2,447)	1:62:A:ALA:HB3	1:60:A:GLU:H	20	0.72
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	13	0.72
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	9	0.72
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	14	0.72
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	9	0.72
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	9	0.72
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	9	0.72
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	4	0.72
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	4	0.72
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	4	0.72
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	18	0.72
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	9	0.72
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	3	0.72
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	7	0.72
(1,427)	1:53:A:LEU:HD11	1:44:A:GLY:HA3	10	0.72
(1,427)	1:53:A:LEU:HD12	1:44:A:GLY:HA3	10	0.72
(1,427)	1:53:A:LEU:HD13	1:44:A:GLY:HA3	10	0.72
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	2	0.72
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	2	0.72
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	2	0.72
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	19	0.72
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	7	0.72
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	15	0.71
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	18	0.71
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	18	0.71
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	18	0.71
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	7	0.71
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	7	0.71
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	7	0.71
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	17	0.71
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	1	0.71
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	15	0.71
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	12	0.71
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	12	0.71
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	12	0.71
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	12	0.71
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	12	0.71
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	12	0.71
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	12	0.71
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	12	0.71
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	12	0.71
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	18	0.71
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	18	0.71
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	18	0.71
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	18	0.71
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	18	0.71
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	18	0.71
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	18	0.71
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	18	0.71
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	18	0.71
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	12	0.71
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	12	0.71
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	12	0.71
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	14	0.71
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	14	0.71
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	14	0.71
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	14	0.71
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	14	0.71
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	14	0.71
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE1	14	0.71
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE2	14	0.71
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE3	14	0.71
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE1	17	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE2	17	0.71
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE3	17	0.71
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	6	0.71
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	6	0.71
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	6	0.71
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	6	0.71
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	6	0.71
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	6	0.71
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	6	0.71
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	6	0.71
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	6	0.71
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	10	0.71
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	10	0.71
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	10	0.71
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	10	0.71
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	10	0.71
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	10	0.71
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	10	0.71
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	10	0.71
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	10	0.71
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	15	0.71
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	15	0.71
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	15	0.71
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	16	0.71
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	16	0.71
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	16	0.71
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	19	0.71
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	19	0.71
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	19	0.71
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	17	0.71
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	17	0.71
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	17	0.71
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	15	0.71
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	14	0.71
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	14	0.71
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	16	0.71
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	8	0.71
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	16	0.71
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	6	0.71
(2,2915)	1:84:A:VAL:HB	1:85:A:LYS:HG3	18	0.71
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	5	0.71
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	5	0.71
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	1	0.71
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	1	0.71
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	1	0.71
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	1	0.71
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	1	0.71
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	1	0.71
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	13	0.71
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	5	0.71
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	5	0.71
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	5	0.71
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	15	0.71
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	7	0.71
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	7	0.71
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	7	0.71
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	1	0.71
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	1	0.71
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	19	0.71
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	4	0.71
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	4	0.71
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	4	0.71
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	11	0.71
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	14	0.71
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	11	0.71
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	11	0.71
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	11	0.71
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	7	0.71
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	7	0.71
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	7	0.71
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	8	0.71
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	8	0.71
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	8	0.71
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	15	0.71
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	15	0.71
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	15	0.71
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	2	0.71
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	2	0.71
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	2	0.71
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	9	0.71
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	17	0.71
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	20	0.71
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	11	0.71
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	11	0.71
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	11	0.71
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	17	0.71
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	17	0.71
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	17	0.71
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	20	0.71
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	14	0.71
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	19	0.71
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	19	0.71
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	19	0.71
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	2	0.71
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	2	0.71
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	5	0.71
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	13	0.71
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	4	0.71
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	4	0.71
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	4	0.71
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	5	0.71
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	5	0.71
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	5	0.71
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	13	0.71
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	13	0.71
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	13	0.71
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	15	0.71
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	8	0.71
(2,418)	1:75:A:GLN:H	1:75:A:GLN:HB3	19	0.71
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	9	0.71
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	12	0.71
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	7	0.71
(2,327)	1:68:A:ARG:HB2	1:69:A:ILE:H	8	0.71
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	5	0.71
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	9	0.7
(3,124)	1:49:A:MET:HB2	1:50:A:ASP:H	10	0.7
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	2	0.7
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	8	0.7
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	8	0.7
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	8	0.7
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	15	0.7
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	15	0.7
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	15	0.7
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	9	0.7
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	9	0.7
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	13	0.7
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	13	0.7
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	13	0.7
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	10	0.7
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	4	0.7
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	4	0.7
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	4	0.7
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	10	0.7
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	17	0.7
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	16	0.7
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	16	0.7
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	16	0.7
(2,3611)	1:143:A:ALA:HB1	1:145:A:GLN:HG2	5	0.7
(2,3611)	1:143:A:ALA:HB2	1:145:A:GLN:HG2	5	0.7
(2,3611)	1:143:A:ALA:HB3	1:145:A:GLN:HG2	5	0.7
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	16	0.7
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	16	0.7
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	16	0.7
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	11	0.7
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	11	0.7
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	11	0.7
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	15	0.7
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	15	0.7
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	15	0.7
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	15	0.7
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	15	0.7
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	15	0.7
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	5	0.7
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	5	0.7
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	5	0.7
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	1	0.7
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	1	0.7
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	1	0.7
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	10	0.7
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	10	0.7
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	10	0.7
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	4	0.7
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	4	0.7
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	4	0.7
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	4	0.7
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	4	0.7
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	4	0.7
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	4	0.7
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	4	0.7
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	15	0.7
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	15	0.7
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	15	0.7
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	10	0.7
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	10	0.7
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	10	0.7
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	10	0.7
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	10	0.7
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	10	0.7
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	18	0.7
(2,3113)	1:26:A:ARG:HG3	1:25:A:LYS:H	18	0.7
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	11	0.7
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	19	0.7
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	20	0.7
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	4	0.7
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	15	0.7
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	14	0.7
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	19	0.7
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	1	0.7
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	6	0.7
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	6	0.7
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	6	0.7
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	6	0.7
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	6	0.7
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	6	0.7
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	7	0.7
(2,2723)	1:51:A:MET:HB3	1:49:A:MET:HG3	14	0.7
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	12	0.7
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	12	0.7
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	12	0.7
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	15	0.7
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	15	0.7
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	15	0.7
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG21	19	0.7
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG22	19	0.7
(2,2660)	1:126:A:LYS:HB3	1:125:A:VAL:HG23	19	0.7
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	3	0.7
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	3	0.7
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	3	0.7
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD2	13	0.7
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD3	13	0.7
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	3	0.7
(2,2213)	1:121:A:ASP:HB2	1:115:A:LYS:HD3	9	0.7
(2,1976)	1:53:A:LEU:HD11	1:32:A:ASP:HA	2	0.7
(2,1976)	1:53:A:LEU:HD12	1:32:A:ASP:HA	2	0.7
(2,1976)	1:53:A:LEU:HD13	1:32:A:ASP:HA	2	0.7
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	3	0.7
(2,1887)	1:94:A:ARG:HA	1:94:A:ARG:HD2	17	0.7
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	19	0.7
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	4	0.7
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	4	0.7
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	4	0.7
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	17	0.7
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	17	0.7
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	17	0.7
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	17	0.7
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	10	0.7
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	10	0.7
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	6	0.7
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	6	0.7
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	6	0.7
(2,1161)	1:49:A:MET:H	1:49:A:MET:HG2	18	0.7
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	9	0.7
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	9	0.7
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	9	0.7
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	1	0.7
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	1	0.7
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	1	0.7
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	14	0.7
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	14	0.7
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	14	0.7
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	9	0.7
(2,578)	1:35:A:VAL:H	1:34:A:MET:HB2	20	0.7
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	8	0.7
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	16	0.7
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	3	0.7
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	3	0.7
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	19	0.7
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	19	0.7
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	19	0.7
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	14	0.7
(2,300)	1:26:A:ARG:HB2	1:26:A:ARG:H	1	0.7
(2,300)	1:26:A:ARG:HB2	1:26:A:ARG:H	20	0.7
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	4	0.7
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	20	0.7
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	8	0.69
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	8	0.69
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	8	0.69
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	8	0.69
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	14	0.69
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	14	0.69
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	14	0.69
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	10	0.69
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	13	0.69
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	5	0.69
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	11	0.69
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	11	0.69
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	11	0.69
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	17	0.69
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	14	0.69
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	17	0.69
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	18	0.69
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	11	0.69
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	11	0.69
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	11	0.69
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	11	0.69
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	11	0.69
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	20	0.69
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	20	0.69
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	20	0.69
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	9	0.69
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	9	0.69
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	9	0.69
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	10	0.69
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	10	0.69
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	10	0.69
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	15	0.69
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	15	0.69
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	1	0.69
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	1	0.69
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	1	0.69
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	1	0.69
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	1	0.69
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	1	0.69
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	1	0.69
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	1	0.69
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	1	0.69
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	8	0.69
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	8	0.69
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	8	0.69
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	10	0.69
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	10	0.69
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	10	0.69
(2,3479)	1:123:A:VAL:HG11	1:137:A:ILE:HG13	4	0.69
(2,3479)	1:123:A:VAL:HG12	1:137:A:ILE:HG13	4	0.69
(2,3479)	1:123:A:VAL:HG13	1:137:A:ILE:HG13	4	0.69
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	3	0.69
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	3	0.69
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	3	0.69
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	5	0.69
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	5	0.69
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	5	0.69
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	16	0.69
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	16	0.69
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	16	0.69
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	4	0.69
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	4	0.69
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	4	0.69
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	12	0.69
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	12	0.69
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	12	0.69
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	4	0.69
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	4	0.69
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	4	0.69
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	17	0.69
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	17	0.69
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	17	0.69
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	12	0.69
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	20	0.69
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	18	0.69
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	16	0.69
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	3	0.69
(2,2940)	1:167:A:ARG:H	1:167:A:ARG:HB2	17	0.69
(2,2936)	1:68:A:ARG:H	1:68:A:ARG:HB2	11	0.69
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	2	0.69
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	11	0.69
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	14	0.69
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	15	0.69
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	16	0.69
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	14	0.69
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	12	0.69
(2,2597)	1:142:A:LYS:HB2	1:145:A:GLN:HG2	16	0.69
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	17	0.69
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	2	0.69
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	2	0.69
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	12	0.69
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	19	0.69
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	19	0.69
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	19	0.69
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	1	0.69
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	4	0.69
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	4	0.69
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	4	0.69
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	1	0.69
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	5	0.69
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	5	0.69
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	5	0.69
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	2	0.69
(2,1263)	1:118:A:GLY:H	1:115:A:LYS:HB2	2	0.69
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	1	0.69
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	5	0.69
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	10	0.69
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	10	0.69
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	10	0.69
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	10	0.69
(2,1161)	1:49:A:MET:H	1:49:A:MET:HG2	16	0.69
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	14	0.69
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	14	0.69
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	14	0.69
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	18	0.69
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	18	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	18	0.69
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	9	0.69
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	9	0.69
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	14	0.69
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	6	0.69
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	18	0.69
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	18	0.69
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	18	0.69
(2,731)	1:84:A:VAL:HG11	1:146:A:GLN:H	18	0.69
(2,731)	1:84:A:VAL:HG12	1:146:A:GLN:H	18	0.69
(2,731)	1:84:A:VAL:HG13	1:146:A:GLN:H	18	0.69
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	14	0.69
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	4	0.69
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	9	0.69
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	9	0.69
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	9	0.69
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	1	0.69
(2,376)	1:158:A:GLU:H	1:158:A:GLU:HB2	8	0.69
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	9	0.69
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	9	0.69
(2,300)	1:26:A:ARG:HB2	1:26:A:ARG:H	6	0.69
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	18	0.69
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	4	0.69
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	19	0.69
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	2	0.69
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	6	0.68
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	2	0.68
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	7	0.68
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	19	0.68
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	14	0.68
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	16	0.68
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	4	0.68
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	18	0.68
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	2	0.68
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	2	0.68
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	2	0.68
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	14	0.68
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	14	0.68
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	14	0.68
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	9	0.68
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	9	0.68
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	1	0.68
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	1	0.68
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	1	0.68
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	1	0.68
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	1	0.68
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	1	0.68
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	4	0.68
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	4	0.68
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	4	0.68
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	8	0.68
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	8	0.68
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	8	0.68
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE1	1	0.68
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE2	1	0.68
(2,3527)	1:49:A:MET:HB3	1:49:A:MET:HE3	1	0.68
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	15	0.68
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	15	0.68
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	15	0.68
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	10	0.68
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	10	0.68
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	10	0.68
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG11	2	0.68
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG12	2	0.68
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG13	2	0.68
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	9	0.68
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	9	0.68
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	9	0.68
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG11	19	0.68
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG12	19	0.68
(2,3419)	1:114:A:ALA:H	1:113:A:VAL:HG13	19	0.68
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	2	0.68
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	2	0.68
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	2	0.68
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	3	0.68
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	3	0.68
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	3	0.68
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	9	0.68
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	9	0.68
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	9	0.68
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	11	0.68
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	11	0.68
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	13	0.68
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	13	0.68
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	13	0.68
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	14	0.68
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	14	0.68
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	14	0.68
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	19	0.68
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	19	0.68
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	19	0.68
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	17	0.68
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	5	0.68
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	12	0.68
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	13	0.68
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	11	0.68
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	11	0.68
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	11	0.68
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	10	0.68
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	10	0.68
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	10	0.68
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	10	0.68
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	10	0.68
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	10	0.68
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	8	0.68
(2,3099)	1:26:A:ARG:HA	1:26:A:ARG:HG2	1	0.68
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	11	0.68
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	16	0.68
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	16	0.68
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	10	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	2	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	2	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	5	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	5	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	7	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	7	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	8	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	8	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	9	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	9	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	13	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	13	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	15	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	19	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	19	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	20	0.68
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	20	0.68
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	3	0.68
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	5	0.68
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	8	0.68
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	13	0.68
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	17	0.68
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	20	0.68
(2,2934)	1:26:A:ARG:HB2	1:26:A:ARG:HG3	2	0.68
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	10	0.68
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	13	0.68
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	17	0.68
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	2	0.68
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	2	0.68
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	2	0.68
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	7	0.68
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	7	0.68
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	7	0.68
(2,2701)	1:138:A:LEU:H	1:139:A:GLU:HB2	5	0.68
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	2	0.68
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	6	0.68
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	18	0.68
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	18	0.68
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	3	0.68
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	3	0.68
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	3	0.68
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	17	0.68
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	17	0.68
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	17	0.68
(2,2144)	1:24:A:GLY:HA2	1:25:A:LYS:HB3	15	0.68
(2,2143)	1:72:A:ARG:HG2	1:71:A:GLY:HA2	8	0.68
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	5	0.68
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	5	0.68
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	5	0.68
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	3	0.68
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	3	0.68
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	3	0.68
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	9	0.68
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	9	0.68
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	8	0.68
(2,1927)	1:66:A:ALA:HA	1:63:A:ASP:HB3	12	0.68
(2,1822)	1:86:A:LEU:HA	1:86:A:LEU:HG	6	0.68
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	3	0.68
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	19	0.68
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	19	0.68
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	19	0.68
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	7	0.68
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	3	0.68
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	3	0.68
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	3	0.68
(2,1161)	1:49:A:MET:H	1:49:A:MET:HG2	5	0.68
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	7	0.68
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	2	0.68
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	2	0.68
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	2	0.68
(2,743)	1:77:A:LEU:HB3	1:79:A:VAL:H	13	0.68
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	15	0.68
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	15	0.68
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	15	0.68
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	20	0.68
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	20	0.68
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	20	0.68
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	14	0.68
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	14	0.68
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	14	0.68
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	20	0.68
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	20	0.68
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	20	0.68
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	13	0.68
(2,429)	1:67:A:VAL:HG21	1:165:A:VAL:H	15	0.68
(2,429)	1:67:A:VAL:HG22	1:165:A:VAL:H	15	0.68
(2,429)	1:67:A:VAL:HG23	1:165:A:VAL:H	15	0.68
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	1	0.68
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	1	0.68
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	1	0.68
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	6	0.68
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	14	0.68
(2,412)	1:97:A:VAL:HG21	1:136:A:GLU:H	20	0.68
(2,412)	1:97:A:VAL:HG22	1:136:A:GLU:H	20	0.68
(2,412)	1:97:A:VAL:HG23	1:136:A:GLU:H	20	0.68
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	8	0.68
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	8	0.68
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	8	0.68
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	14	0.68
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	14	0.68
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	14	0.68
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	1	0.68
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	16	0.68
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	11	0.68
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	1	0.68
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	15	0.68
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	8	0.67
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	17	0.67
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	14	0.67
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	13	0.67
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	13	0.67
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	13	0.67
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD2	18	0.67
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD3	18	0.67
(3,44)	1:39:A:ARG:HG3	1:31:A:ARG:HD3	18	0.67
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	14	0.67
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	14	0.67
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	14	0.67
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	9	0.67
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	9	0.67
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	9	0.67
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	9	0.67
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	9	0.67
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	9	0.67
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	14	0.67
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	14	0.67
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	14	0.67
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	4	0.67
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	4	0.67
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	4	0.67
(2,3529)	1:46:A:SER:HB3	1:49:A:MET:HE1	15	0.67
(2,3529)	1:46:A:SER:HB3	1:49:A:MET:HE2	15	0.67
(2,3529)	1:46:A:SER:HB3	1:49:A:MET:HE3	15	0.67
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	11	0.67
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	11	0.67
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	11	0.67
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	1	0.67
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	1	0.67
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	11	0.67
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	11	0.67
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	11	0.67
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	11	0.67
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	11	0.67
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	11	0.67
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	11	0.67
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	11	0.67
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	11	0.67
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	1	0.67
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	1	0.67
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	1	0.67
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	5	0.67
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	5	0.67
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	5	0.67
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	6	0.67
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	6	0.67
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	6	0.67
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	7	0.67
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	7	0.67
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	7	0.67
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	12	0.67
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	12	0.67
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	12	0.67
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	15	0.67
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	15	0.67
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	15	0.67
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	16	0.67
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	16	0.67
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	16	0.67
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	7	0.67
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	8	0.67
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	9	0.67
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	15	0.67
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	19	0.67
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	12	0.67
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	17	0.67
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	12	0.67
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	3	0.67
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	4	0.67
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	4	0.67
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	11	0.67
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	11	0.67
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD2	12	0.67
(2,2999)	1:85:A:LYS:HB2	1:85:A:LYS:HD3	12	0.67
(2,2942)	1:162:A:ARG:HB2	1:163:A:GLY:H	2	0.67
(2,2936)	1:68:A:ARG:H	1:68:A:ARG:HB2	5	0.67
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	6	0.67
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	12	0.67
(2,2924)	1:26:A:ARG:HB2	1:26:A:ARG:H	1	0.67
(2,2924)	1:26:A:ARG:HB2	1:26:A:ARG:H	20	0.67
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	7	0.67
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	14	0.67
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	1	0.67
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	1	0.67
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	1	0.67
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	20	0.67
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	20	0.67
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	20	0.67
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	1	0.67
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	4	0.67
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	4	0.67
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	4	0.67
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	11	0.67
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	7	0.67
(2,2213)	1:121:A:ASP:HB2	1:115:A:LYS:HD3	1	0.67
(2,2213)	1:121:A:ASP:HB2	1:115:A:LYS:HD3	2	0.67
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	2	0.67
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	2	0.67
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	2	0.67
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	20	0.67
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	20	0.67
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	20	0.67
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA2	19	0.67
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA3	19	0.67
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	11	0.67
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	13	0.67
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	3	0.67
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	3	0.67
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	3	0.67
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	15	0.67
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	15	0.67
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	4	0.67
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	11	0.67
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	5	0.67
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	1	0.67
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	1	0.67
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	1	0.67
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	3	0.67
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	3	0.67
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	3	0.67
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	10	0.67
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	2	0.67
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	2	0.67
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	2	0.67
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	4	0.67
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	6	0.67
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	20	0.67
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	20	0.67
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD11	12	0.67
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD12	12	0.67
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD13	12	0.67
(2,1161)	1:49:A:MET:H	1:49:A:MET:HG2	10	0.67
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	14	0.67
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	14	0.67
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	14	0.67
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	4	0.67
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	4	0.67
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	4	0.67
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	6	0.67
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	6	0.67
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	6	0.67
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	6	0.67
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	11	0.67
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	1	0.67
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	1	0.67
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	1	0.67
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	7	0.67
(2,578)	1:35:A:VAL:H	1:34:A:MET:HB2	6	0.67
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	18	0.67
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	18	0.67
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	16	0.67
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	16	0.67
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	16	0.67
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	19	0.67
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	19	0.67
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	19	0.67
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	7	0.67
(2,484)	1:96:A:LEU:H	1:96:A:LEU:HG	18	0.67
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	7	0.67
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	7	0.67
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	7	0.67
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	3	0.67
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	3	0.67
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	3	0.67
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	4	0.67
(2,222)	1:137:A:ILE:H	1:94:A:ARG:HB3	20	0.67
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	4	0.67
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	13	0.67
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG11	5	0.67
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG12	5	0.67
(2,37)	1:127:A:ALA:H	1:125:A:VAL:HG13	5	0.67
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	18	0.67
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	15	0.67
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	15	0.67
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	15	0.67
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	5	0.67
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	3	0.67
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	7	0.66
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	17	0.66
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	17	0.66
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	17	0.66
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	3	0.66
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	3	0.66
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	3	0.66
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	15	0.66
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	15	0.66
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	15	0.66
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	20	0.66
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	3	0.66
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	3	0.66
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	3	0.66
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	11	0.66
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	11	0.66
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	9	0.66
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	9	0.66
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	9	0.66
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	9	0.66
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	9	0.66
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	9	0.66
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	9	0.66
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	9	0.66
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	9	0.66
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	18	0.66
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	18	0.66
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	18	0.66
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	18	0.66
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	18	0.66
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	18	0.66
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	14	0.66
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	14	0.66
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	14	0.66
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	2	0.66
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	2	0.66
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	2	0.66
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG21	7	0.66
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG22	7	0.66
(2,3592)	1:125:A:VAL:H	1:110:A:ILE:HG23	7	0.66
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	11	0.66
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	11	0.66
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	11	0.66
(2,3542)	1:136:A:GLU:HG2	1:129:A:ALA:HB1	9	0.66
(2,3542)	1:136:A:GLU:HG2	1:129:A:ALA:HB2	9	0.66
(2,3542)	1:136:A:GLU:HG2	1:129:A:ALA:HB3	9	0.66
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	16	0.66
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	16	0.66
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	16	0.66
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	9	0.66
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	9	0.66
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	9	0.66
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	7	0.66
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	7	0.66
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	7	0.66
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	8	0.66
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	8	0.66
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	18	0.66
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	18	0.66
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	18	0.66
(2,3296)	1:113:A:VAL:HG21	1:113:A:VAL:H	20	0.66
(2,3296)	1:113:A:VAL:HG22	1:113:A:VAL:H	20	0.66
(2,3296)	1:113:A:VAL:HG23	1:113:A:VAL:H	20	0.66
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	4	0.66
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	8	0.66
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	15	0.66
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	3	0.66
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	4	0.66
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	12	0.66
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	12	0.66
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	12	0.66
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	18	0.66
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	18	0.66
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	18	0.66
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	18	0.66
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	18	0.66
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	18	0.66
(2,3131)	1:86:A:LEU:HA	1:86:A:LEU:HG	17	0.66
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	1	0.66
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	1	0.66
(2,3099)	1:26:A:ARG:HA	1:26:A:ARG:HG2	20	0.66
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	20	0.66
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	14	0.66
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	15	0.66
(2,2942)	1:162:A:ARG:HB2	1:163:A:GLY:H	9	0.66
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	4	0.66
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	7	0.66
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	10	0.66
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	6	0.66
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	4	0.66
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	5	0.66
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	2	0.66
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	18	0.66
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	1	0.66
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	16	0.66
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	9	0.66
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	13	0.66
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	8	0.66
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	9	0.66
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	11	0.66
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	7	0.66
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	13	0.66
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	13	0.66
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	13	0.66
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	9	0.66
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	9	0.66
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	9	0.66
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	8	0.66
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	14	0.66
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	1	0.66
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	2	0.66
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	17	0.66
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	18	0.66
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	16	0.66
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	20	0.66
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	9	0.66
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	9	0.66
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	9	0.66
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	14	0.66
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	14	0.66
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	14	0.66
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	3	0.66
(2,1529)	1:130:A:THR:HA	1:135:A:SER:HB3	8	0.66
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	5	0.66
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	1	0.66
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	1	0.66
(2,1323)	1:88:A:ARG:HB3	1:92:A:THR:HB	5	0.66
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	14	0.66
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	15	0.66
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	16	0.66
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	16	0.66
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	16	0.66
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	2	0.66
(2,1146)	1:97:A:VAL:H	1:99:A:SER:HA	8	0.66
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	13	0.66
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	13	0.66
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	13	0.66
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	1	0.66
(2,762)	1:125:A:VAL:HG11	1:109:A:THR:H	2	0.66
(2,762)	1:125:A:VAL:HG12	1:109:A:THR:H	2	0.66
(2,762)	1:125:A:VAL:HG13	1:109:A:THR:H	2	0.66
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	14	0.66
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	17	0.66
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	17	0.66
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	17	0.66
(2,578)	1:35:A:VAL:H	1:34:A:MET:HB2	2	0.66
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	1	0.66
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	1	0.66
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	1	0.66
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	5	0.66
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	7	0.66
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	14	0.66
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	17	0.66
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	17	0.66
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	10	0.66
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	10	0.66
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	10	0.66
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	12	0.66
(2,333)	1:63:A:ASP:HB2	1:66:A:ALA:H	20	0.66
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	12	0.66
(2,99)	1:126:A:LYS:HG3	1:138:A:LEU:H	4	0.66
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	5	0.66
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	6	0.66
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	14	0.66
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	1	0.66
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	20	0.66
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	12	0.66
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	5	0.66
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	18	0.66
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	11	0.66
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	20	0.66
(3,124)	1:49:A:MET:HB2	1:50:A:ASP:H	20	0.65
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	4	0.65
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	4	0.65
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	4	0.65
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	13	0.65
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	11	0.65
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	11	0.65
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	1	0.65
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	1	0.65
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	1	0.65
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	9	0.65
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	9	0.65
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	9	0.65
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	9	0.65
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	9	0.65
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	9	0.65
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	16	0.65
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	16	0.65
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	16	0.65
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	9	0.65
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	9	0.65
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	9	0.65
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	10	0.65
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	10	0.65
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	10	0.65
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	10	0.65
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	10	0.65
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	10	0.65
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	10	0.65
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	10	0.65
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	10	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	3	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	3	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	3	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	6	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	6	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	6	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	7	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	7	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	7	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	19	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	19	0.65
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	19	0.65
(2,3435)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	12	0.65
(2,3435)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	12	0.65
(2,3435)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	12	0.65
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE1	9	0.65
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE2	9	0.65
(2,3386)	1:34:A:MET:HB3	1:34:A:MET:HE3	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	19	0.65
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	19	0.65
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	19	0.65
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	10	0.65
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	3	0.65
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	1	0.65
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	5	0.65
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	10	0.65
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	13	0.65
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	16	0.65
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	17	0.65
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	20	0.65
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	2	0.65
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	11	0.65
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	20	0.65
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	15	0.65
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	15	0.65
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	15	0.65
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	13	0.65
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	13	0.65
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	13	0.65
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	13	0.65
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	13	0.65
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	13	0.65
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	15	0.65
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	6	0.65
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	6	0.65
(2,3029)	1:115:A:LYS:H	1:115:A:LYS:HD2	20	0.65
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	19	0.65
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	19	0.65
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	6	0.65
(2,2924)	1:26:A:ARG:HB2	1:26:A:ARG:H	6	0.65
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	1	0.65
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	11	0.65
(2,2812)	1:136:A:GLU:HB3	1:135:A:SER:HA	14	0.65
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	2	0.65
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	2	0.65
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	2	0.65
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	2	0.65
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	2	0.65
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	2	0.65
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	13	0.65
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	13	0.65
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	19	0.65
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	7	0.65
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	15	0.65
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	10	0.65
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	2	0.65
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	8	0.65
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	8	0.65
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	8	0.65
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	11	0.65
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	11	0.65
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	11	0.65
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	15	0.65
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	15	0.65
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	15	0.65
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	10	0.65
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	10	0.65
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	10	0.65
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	2	0.65
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	2	0.65
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	2	0.65
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	5	0.65
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	9	0.65
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	4	0.65
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	20	0.65
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	20	0.65
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	20	0.65
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	11	0.65
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	18	0.65
(2,1323)	1:88:A:ARG:HB3	1:92:A:THR:HB	1	0.65
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	3	0.65
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	3	0.65
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	3	0.65
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	17	0.65
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	17	0.65
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	17	0.65
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	12	0.65
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	14	0.65
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	17	0.65
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	2	0.65
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	14	0.65
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	14	0.65
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	15	0.65
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	15	0.65
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	15	0.65
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	11	0.65
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	12	0.65
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	11	0.65
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	11	0.65
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	11	0.65
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	15	0.65
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	15	0.65
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	15	0.65
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB1	12	0.65
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB2	12	0.65
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB3	12	0.65
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB1	15	0.65
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB2	15	0.65
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB3	15	0.65
(2,743)	1:77:A:LEU:HB3	1:79:A:VAL:H	9	0.65
(2,578)	1:35:A:VAL:H	1:34:A:MET:HB2	19	0.65
(2,372)	1:75:A:GLN:H	1:74:A:THR:H	5	0.65
(2,327)	1:68:A:ARG:HB2	1:69:A:ILE:H	6	0.65
(2,327)	1:68:A:ARG:HB2	1:69:A:ILE:H	7	0.65
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	11	0.65
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	2	0.65
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	10	0.65
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	10	0.65
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	10	0.65
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	10	0.65
(1,357)	1:53:A:LEU:HD11	1:47:A:PRO:HD2	19	0.65
(1,357)	1:53:A:LEU:HD12	1:47:A:PRO:HD2	19	0.65
(1,357)	1:53:A:LEU:HD13	1:47:A:PRO:HD2	19	0.65
(1,246)	1:50:A:ASP:HB2	1:45:A:LYS:HG3	12	0.65
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	2	0.65
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	4	0.65
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	10	0.65
(3,124)	1:49:A:MET:HB2	1:50:A:ASP:H	18	0.64
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	17	0.64
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	19	0.64
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	19	0.64
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	19	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,74)	1:36:A:PRO:HA	1:36:A:PRO:HG3	16	0.64
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	18	0.64
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	3	0.64
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	2	0.64
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	8	0.64
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	10	0.64
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	10	0.64
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	15	0.64
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	15	0.64
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	15	0.64
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	18	0.64
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	18	0.64
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	18	0.64
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	13	0.64
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	13	0.64
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	13	0.64
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	8	0.64
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	8	0.64
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	8	0.64
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	4	0.64
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	4	0.64
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	4	0.64
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	17	0.64
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	17	0.64
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	17	0.64
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	17	0.64
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	17	0.64
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	17	0.64
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	17	0.64
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	17	0.64
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	17	0.64
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	5	0.64
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	5	0.64
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	5	0.64
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	9	0.64
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	9	0.64
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	9	0.64
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	13	0.64
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	13	0.64
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	13	0.64
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	15	0.64
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	15	0.64
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	8	0.64
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	8	0.64
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	8	0.64
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	3	0.64
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	3	0.64
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	3	0.64
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	3	0.64
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	3	0.64
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	3	0.64
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	5	0.64
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	5	0.64
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	5	0.64
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	5	0.64
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	5	0.64
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	5	0.64
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	5	0.64
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	5	0.64
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	5	0.64
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	5	0.64
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	13	0.64
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	2	0.64
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	3	0.64
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	12	0.64
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	14	0.64
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	3	0.64
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	3	0.64
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	3	0.64
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	15	0.64
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	15	0.64
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	15	0.64
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	15	0.64
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	15	0.64
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	15	0.64
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD21	7	0.64
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD22	7	0.64
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD23	7	0.64
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	8	0.64
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	10	0.64
(2,3099)	1:26:A:ARG:HA	1:26:A:ARG:HG2	2	0.64
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	14	0.64
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	9	0.64
(2,2886)	1:149:A:VAL:HG11	1:80:A:ARG:HB2	13	0.64
(2,2886)	1:149:A:VAL:HG12	1:80:A:ARG:HB2	13	0.64
(2,2886)	1:149:A:VAL:HG13	1:80:A:ARG:HB2	13	0.64
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	17	0.64
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	17	0.64
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	17	0.64
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	19	0.64
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	2	0.64
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	6	0.64
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	6	0.64
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	6	0.64
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	13	0.64
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	19	0.64
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	19	0.64
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	19	0.64
(2,2452)	1:61:A:ASN:HB2	1:63:A:ASP:H	2	0.64
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	5	0.64
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	5	0.64
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	5	0.64
(2,2375)	1:32:A:ASP:HB3	1:34:A:MET:HB2	19	0.64
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	9	0.64
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	8	0.64
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	8	0.64
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	8	0.64
(2,2249)	1:88:A:ARG:HD3	1:87:A:GLY:H	16	0.64
(2,2138)	1:174:A:GLY:HA3	1:175:A:LEU:HB3	15	0.64
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	10	0.64
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	10	0.64
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	10	0.64
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	19	0.64
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	12	0.64
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	12	0.64
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	12	0.64
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	2	0.64
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	3	0.64
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	9	0.64
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	1	0.64
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	6	0.64
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	6	0.64
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	6	0.64
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	8	0.64
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	8	0.64
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	11	0.64
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	11	0.64
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	11	0.64
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	18	0.64
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	18	0.64
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	18	0.64
(2,1417)	1:98:A:PRO:HA	1:135:A:SER:HB3	1	0.64
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	8	0.64
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	5	0.64
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	5	0.64
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	5	0.64
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	20	0.64
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	6	0.64
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	6	0.64
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	6	0.64
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	6	0.64
(2,824)	1:62:A:ALA:HB1	1:63:A:ASP:H	11	0.64
(2,824)	1:62:A:ALA:HB2	1:63:A:ASP:H	11	0.64
(2,824)	1:62:A:ALA:HB3	1:63:A:ASP:H	11	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB1	3	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB2	3	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB3	3	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB1	18	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB2	18	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB3	18	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB1	19	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB2	19	0.64
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB3	19	0.64
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	6	0.64
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	6	0.64
(2,568)	1:73:A:VAL:H	1:72:A:ARG:HB2	3	0.64
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	7	0.64
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	7	0.64
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	7	0.64
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	20	0.64
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	20	0.64
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	20	0.64
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	13	0.64
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	15	0.64
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	5	0.64
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	5	0.64
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	10	0.64
(2,308)	1:58:A:GLU:HG2	1:59:A:GLU:H	15	0.64
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	4	0.64
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	4	0.64
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	9	0.64
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	10	0.64
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	20	0.64
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	14	0.64
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	16	0.64
(1,629)	1:53:A:LEU:HD21	1:32:A:ASP:H	10	0.64
(1,629)	1:53:A:LEU:HD22	1:32:A:ASP:H	10	0.64
(1,629)	1:53:A:LEU:HD23	1:32:A:ASP:H	10	0.64
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	13	0.64
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	3	0.64
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	6	0.64
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	7	0.64
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	17	0.64
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	18	0.64
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	18	0.64
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	18	0.64
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	18	0.64
(1,357)	1:53:A:LEU:HD11	1:47:A:PRO:HD2	17	0.64
(1,357)	1:53:A:LEU:HD12	1:47:A:PRO:HD2	17	0.64
(1,357)	1:53:A:LEU:HD13	1:47:A:PRO:HD2	17	0.64
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	13	0.64
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	17	0.64
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	20	0.64
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	2	0.64
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	6	0.64
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE1	1	0.64
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE2	1	0.64
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	2	0.63
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	2	0.63
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	2	0.63
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	15	0.63
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	15	0.63
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	15	0.63
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	13	0.63
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	13	0.63
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	11	0.63
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	11	0.63
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	11	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	2	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	2	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	2	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	12	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	12	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	12	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	16	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	16	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	16	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	20	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	20	0.63
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	20	0.63
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	3	0.63
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	3	0.63
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	3	0.63
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	5	0.63
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	5	0.63
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	5	0.63
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	1	0.63
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	1	0.63
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	1	0.63
(2,3448)	1:127:A:ALA:HB1	1:135:A:SER:HB2	12	0.63
(2,3448)	1:127:A:ALA:HB2	1:135:A:SER:HB2	12	0.63
(2,3448)	1:127:A:ALA:HB3	1:135:A:SER:HB2	12	0.63
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG21	16	0.63
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG22	16	0.63
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG23	16	0.63
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	19	0.63
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	19	0.63
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	19	0.63
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	19	0.63
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	19	0.63
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	19	0.63
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	19	0.63
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	19	0.63
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	19	0.63
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	19	0.63
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	19	0.63
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	19	0.63
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	19	0.63
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	19	0.63
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	19	0.63
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	19	0.63
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	19	0.63
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	8	0.63
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	8	0.63
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	8	0.63
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	9	0.63
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	9	0.63
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	9	0.63
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	6	0.63
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	14	0.63
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	6	0.63
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	5	0.63
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	11	0.63
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	12	0.63
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	20	0.63
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	9	0.63
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	5	0.63
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	20	0.63
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	20	0.63
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	20	0.63
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	6	0.63
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	8	0.63
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	8	0.63
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	8	0.63
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	16	0.63
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	16	0.63
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	16	0.63
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	3	0.63
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	11	0.63
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	3	0.63
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	20	0.63
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	11	0.63
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	19	0.63
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	3	0.63
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	3	0.63
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	3	0.63
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	18	0.63
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	1	0.63
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	1	0.63
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	18	0.63
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	18	0.63
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	18	0.63
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	3	0.63
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	3	0.63
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	3	0.63
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	5	0.63
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	10	0.63
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	10	0.63
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	12	0.63
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	6	0.63
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	6	0.63
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	6	0.63
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	6	0.63
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	14	0.63
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	7	0.63
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	14	0.63
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	20	0.63
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	6	0.63
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	14	0.63
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	15	0.63
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	2	0.63
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	2	0.63
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	2	0.63
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	9	0.63
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	9	0.63
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	9	0.63
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	19	0.63
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	19	0.63
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	19	0.63
(2,1448)	1:99:A:SER:HA	1:97:A:VAL:HB	19	0.63
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	6	0.63
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	19	0.63
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	19	0.63
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	3	0.63
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	3	0.63
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	3	0.63
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	16	0.63
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	16	0.63
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	6	0.63
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	18	0.63
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	12	0.63
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	5	0.63
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	11	0.63
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	16	0.63
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	20	0.63
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	20	0.63
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	20	0.63
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	20	0.63
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	2	0.63
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	2	0.63
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	2	0.63
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	18	0.63
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	12	0.63
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	12	0.63
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	12	0.63
(2,544)	1:83:A:GLU:H	1:98:A:PRO:HD3	15	0.63
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	8	0.63
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	8	0.63
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	8	0.63
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	11	0.63
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	11	0.63
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	11	0.63
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	2	0.63
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	2	0.63
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	15	0.63
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	1	0.63
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	1	0.63
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	1	0.63
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	20	0.63
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	20	0.63
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	20	0.63
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	8	0.63
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	14	0.63
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	6	0.63
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	11	0.63
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	17	0.63
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	2	0.63
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	14	0.63
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	17	0.63
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,110)	1:35:A:VAL:HG21	1:54:A:ILE:H	4	0.62
(3,110)	1:35:A:VAL:HG22	1:54:A:ILE:H	4	0.62
(3,110)	1:35:A:VAL:HG23	1:54:A:ILE:H	4	0.62
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	19	0.62
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	19	0.62
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	19	0.62
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	15	0.62
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	15	0.62
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	15	0.62
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	7	0.62
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	7	0.62
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	7	0.62
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	7	0.62
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	7	0.62
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	7	0.62
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	6	0.62
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	6	0.62
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	6	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	1	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	1	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	1	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	15	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	15	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	15	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	17	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	17	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	17	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	18	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	18	0.62
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	18	0.62
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	20	0.62
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	20	0.62
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	20	0.62
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	8	0.62
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	8	0.62
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	8	0.62
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	8	0.62
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	8	0.62
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	8	0.62
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	8	0.62
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	8	0.62
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG21	4	0.62
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG22	4	0.62
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG23	4	0.62
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG21	6	0.62
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG22	6	0.62
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG23	6	0.62
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG21	9	0.62
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG22	9	0.62
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG23	9	0.62
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	1	0.62
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	1	0.62
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	1	0.62
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	16	0.62
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	16	0.62
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	16	0.62
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG21	18	0.62
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG22	18	0.62
(2,3309)	1:143:A:ALA:HB1	1:84:A:VAL:HG23	18	0.62
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG21	18	0.62
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG22	18	0.62
(2,3309)	1:143:A:ALA:HB2	1:84:A:VAL:HG23	18	0.62
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG21	18	0.62
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG22	18	0.62
(2,3309)	1:143:A:ALA:HB3	1:84:A:VAL:HG23	18	0.62
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	2	0.62
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	2	0.62
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	2	0.62
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	3	0.62
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	3	0.62
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	3	0.62
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	11	0.62
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	11	0.62
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	11	0.62
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	17	0.62
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	17	0.62
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	17	0.62
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	6	0.62
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	6	0.62
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	6	0.62
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	2	0.62
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	2	0.62
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	2	0.62
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	2	0.62
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	2	0.62
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	5	0.62
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	5	0.62
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	5	0.62
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	5	0.62
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	5	0.62
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	5	0.62
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	11	0.62
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	11	0.62
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	1	0.62
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	2	0.62
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	13	0.62
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	13	0.62
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	1	0.62
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	2	0.62
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	9	0.62
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	2	0.62
(2,2940)	1:167:A:ARG:H	1:167:A:ARG:HB2	1	0.62
(2,2934)	1:26:A:ARG:HB2	1:26:A:ARG:HG3	1	0.62
(2,2934)	1:26:A:ARG:HB2	1:26:A:ARG:HG3	20	0.62
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	12	0.62
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	2	0.62
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	18	0.62
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	18	0.62
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	18	0.62
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	5	0.62
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	11	0.62
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	13	0.62
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	4	0.62
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	12	0.62
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	11	0.62
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	16	0.62
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	5	0.62
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	20	0.62
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	9	0.62
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	9	0.62
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	9	0.62
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	9	0.62
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG21	9	0.62
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG22	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2327)	1:95:A:LEU:HB2	1:84:A:VAL:HG23	9	0.62
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	19	0.62
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	5	0.62
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	16	0.62
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	16	0.62
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	16	0.62
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	7	0.62
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	7	0.62
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	7	0.62
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	1	0.62
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	19	0.62
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	19	0.62
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	19	0.62
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	8	0.62
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	16	0.62
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	19	0.62
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	2	0.62
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	10	0.62
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	10	0.62
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	10	0.62
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	15	0.62
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	15	0.62
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	15	0.62
(2,1448)	1:99:A:SER:HA	1:97:A:VAL:HB	16	0.62
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	17	0.62
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	17	0.62
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	17	0.62
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	1	0.62
(2,762)	1:125:A:VAL:HG11	1:109:A:THR:H	19	0.62
(2,762)	1:125:A:VAL:HG12	1:109:A:THR:H	19	0.62
(2,762)	1:125:A:VAL:HG13	1:109:A:THR:H	19	0.62
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	15	0.62
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	17	0.62
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	6	0.62
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	6	0.62
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	6	0.62
(2,567)	1:73:A:VAL:H	1:73:A:VAL:HB	17	0.62
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	16	0.62
(2,325)	1:63:A:ASP:HB3	1:69:A:ILE:H	17	0.62
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG11	2	0.62
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG12	2	0.62
(2,188)	1:68:A:ARG:H	1:67:A:VAL:HG13	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	1	0.62
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	10	0.62
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	13	0.62
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	20	0.62
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	15	0.62
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	5	0.62
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	13	0.62
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	18	0.62
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	15	0.62
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	19	0.62
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	1	0.62
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	1	0.62
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	1	0.62
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	12	0.62
(3,124)	1:49:A:MET:HB2	1:50:A:ASP:H	16	0.61
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	13	0.61
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	13	0.61
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	13	0.61
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	12	0.61
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	12	0.61
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	12	0.61
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	16	0.61
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	16	0.61
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	16	0.61
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	9	0.61
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	9	0.61
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	9	0.61
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	6	0.61
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	7	0.61
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	7	0.61
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	7	0.61
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	7	0.61
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	7	0.61
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	7	0.61
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	17	0.61
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	17	0.61
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	17	0.61
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	14	0.61
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	14	0.61
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	14	0.61
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	17	0.61
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	17	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	17	0.61
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	17	0.61
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	17	0.61
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	17	0.61
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	3	0.61
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	3	0.61
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	3	0.61
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	12	0.61
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	12	0.61
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	12	0.61
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	7	0.61
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	7	0.61
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	7	0.61
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	20	0.61
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	20	0.61
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	20	0.61
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	16	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	1	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	1	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	1	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	2	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	2	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	2	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	3	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	3	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	3	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	4	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	4	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	4	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	5	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	5	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	5	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	6	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	6	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	6	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	9	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	9	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	9	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	10	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	10	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	10	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	12	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	12	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	14	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	14	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	14	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	15	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	15	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	15	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	16	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	16	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	16	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	17	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	17	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	17	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	19	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	19	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	19	0.61
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	20	0.61
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	20	0.61
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	20	0.61
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	5	0.61
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	19	0.61
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	7	0.61
(2,3029)	1:115:A:LYS:H	1:115:A:LYS:HD2	11	0.61
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	4	0.61
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	15	0.61
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	19	0.61
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	19	0.61
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	19	0.61
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	19	0.61
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	19	0.61
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	19	0.61
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	17	0.61
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	17	0.61
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	17	0.61
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	18	0.61
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	20	0.61
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	20	0.61
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	2	0.61
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	2	0.61
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	2	0.61
(2,2383)	1:70:A:ASP:HB2	1:71:A:GLY:HA3	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	17	0.61
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	2	0.61
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	11	0.61
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	17	0.61
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	17	0.61
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	17	0.61
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	20	0.61
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	20	0.61
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	20	0.61
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD2	11	0.61
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD3	11	0.61
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	2	0.61
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	5	0.61
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	5	0.61
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	5	0.61
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	9	0.61
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	9	0.61
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	20	0.61
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	20	0.61
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	20	0.61
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	7	0.61
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	15	0.61
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	2	0.61
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	18	0.61
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	15	0.61
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	18	0.61
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	6	0.61
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	6	0.61
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	6	0.61
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	12	0.61
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	7	0.61
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	7	0.61
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	7	0.61
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	13	0.61
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	13	0.61
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	13	0.61
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	17	0.61
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	17	0.61
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	17	0.61
(2,1502)	1:172:A:THR:H	1:171:A:THR:HA	5	0.61
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	17	0.61
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	17	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	17	0.61
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	11	0.61
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	10	0.61
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	10	0.61
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	10	0.61
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	4	0.61
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	16	0.61
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	11	0.61
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	1	0.61
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	1	0.61
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	1	0.61
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	15	0.61
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	10	0.61
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	10	0.61
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	10	0.61
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	5	0.61
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	16	0.61
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	19	0.61
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	19	0.61
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	19	0.61
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	7	0.61
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	7	0.61
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	7	0.61
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	14	0.61
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	3	0.61
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	4	0.61
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	3	0.61
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	3	0.61
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	3	0.61
(2,328)	1:69:A:ILE:H	1:72:A:ARG:HG2	20	0.61
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	15	0.61
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	17	0.61
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	19	0.61
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	20	0.61
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	5	0.61
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	10	0.61
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	18	0.61
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	18	0.61
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	18	0.61
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	1	0.61
(1,219)	1:39:A:ARG:H	1:39:A:ARG:HD2	16	0.61
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	15	0.6
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	17	0.6
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	1	0.6
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	9	0.6
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	14	0.6
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	4	0.6
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	1	0.6
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	20	0.6
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	9	0.6
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	9	0.6
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	5	0.6
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	5	0.6
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	5	0.6
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	19	0.6
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	19	0.6
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	19	0.6
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	12	0.6
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	12	0.6
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	12	0.6
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	12	0.6
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	12	0.6
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	12	0.6
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	16	0.6
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	16	0.6
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	16	0.6
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	9	0.6
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	9	0.6
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	9	0.6
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	13	0.6
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	13	0.6
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	13	0.6
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	15	0.6
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	15	0.6
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	15	0.6
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	2	0.6
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	2	0.6
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	2	0.6
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	2	0.6
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	2	0.6
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	2	0.6
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	7	0.6
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	7	0.6
(2,3435)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	18	0.6
(2,3435)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	18	0.6
(2,3435)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	18	0.6
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	16	0.6
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	16	0.6
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	16	0.6
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	7	0.6
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	7	0.6
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	7	0.6
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	7	0.6
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	7	0.6
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	7	0.6
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	7	0.6
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	7	0.6
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	7	0.6
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	7	0.6
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	7	0.6
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	7	0.6
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	7	0.6
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	7	0.6
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	7	0.6
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	7	0.6
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	7	0.6
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	7	0.6
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	17	0.6
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	17	0.6
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	17	0.6
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	6	0.6
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	6	0.6
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	6	0.6
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	10	0.6
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	10	0.6
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	10	0.6
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	14	0.6
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	14	0.6
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	14	0.6
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	1	0.6
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	1	0.6
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	1	0.6
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	7	0.6
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	7	0.6
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	8	0.6
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	8	0.6
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	8	0.6
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	11	0.6
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	11	0.6
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	11	0.6
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	13	0.6
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	13	0.6
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	13	0.6
(2,3262)	1:96:A:LEU:HD11	1:96:A:LEU:HB2	18	0.6
(2,3262)	1:96:A:LEU:HD12	1:96:A:LEU:HB2	18	0.6
(2,3262)	1:96:A:LEU:HD13	1:96:A:LEU:HB2	18	0.6
(2,3238)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	10	0.6
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	7	0.6
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	14	0.6
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	18	0.6
(2,3232)	1:86:A:LEU:HD11	1:84:A:VAL:HG21	17	0.6
(2,3232)	1:86:A:LEU:HD11	1:84:A:VAL:HG22	17	0.6
(2,3232)	1:86:A:LEU:HD11	1:84:A:VAL:HG23	17	0.6
(2,3232)	1:86:A:LEU:HD12	1:84:A:VAL:HG21	17	0.6
(2,3232)	1:86:A:LEU:HD12	1:84:A:VAL:HG22	17	0.6
(2,3232)	1:86:A:LEU:HD12	1:84:A:VAL:HG23	17	0.6
(2,3232)	1:86:A:LEU:HD13	1:84:A:VAL:HG21	17	0.6
(2,3232)	1:86:A:LEU:HD13	1:84:A:VAL:HG22	17	0.6
(2,3232)	1:86:A:LEU:HD13	1:84:A:VAL:HG23	17	0.6
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	9	0.6
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	19	0.6
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	11	0.6
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	10	0.6
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	6	0.6
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	8	0.6
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	1	0.6
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	5	0.6
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	8	0.6
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	10	0.6
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	13	0.6
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	16	0.6
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	17	0.6
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	20	0.6
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	10	0.6
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	12	0.6
(2,2803)	1:81:A:THR:HA	1:148:A:VAL:HB	9	0.6
(2,2740)	1:39:A:ARG:H	1:38:A:GLN:HG3	18	0.6
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	4	0.6
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	5	0.6
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	7	0.6
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	15	0.6
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	15	0.6
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	8	0.6
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG21	12	0.6
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG22	12	0.6
(2,2532)	1:136:A:GLU:HG2	1:97:A:VAL:HG23	12	0.6
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG21	12	0.6
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG22	12	0.6
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG23	12	0.6
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	2	0.6
(2,2218)	1:94:A:ARG:HA	1:94:A:ARG:HD2	17	0.6
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	2	0.6
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	16	0.6
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	16	0.6
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	16	0.6
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	10	0.6
(2,2114)	1:62:A:ALA:HB1	1:64:A:GLY:HA3	6	0.6
(2,2114)	1:62:A:ALA:HB2	1:64:A:GLY:HA3	6	0.6
(2,2114)	1:62:A:ALA:HB3	1:64:A:GLY:HA3	6	0.6
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	5	0.6
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	15	0.6
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	4	0.6
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	4	0.6
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	4	0.6
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	19	0.6
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	19	0.6
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	19	0.6
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	7	0.6
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	12	0.6
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	12	0.6
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	10	0.6
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	10	0.6
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	10	0.6
(2,1676)	1:142:A:LYS:HG3	1:145:A:GLN:HA	13	0.6
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	5	0.6
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	5	0.6
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	16	0.6
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	16	0.6
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	16	0.6
(2,1594)	1:173:A:SER:HA	1:174:A:GLY:H	14	0.6
(2,1502)	1:172:A:THR:H	1:171:A:THR:HA	10	0.6
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	13	0.6
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	13	0.6
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	13	0.6
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	3	0.6
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	3	0.6
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	19	0.6
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	19	0.6
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	19	0.6
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	20	0.6
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	20	0.6
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	20	0.6
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	19	0.6
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	16	0.6
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	16	0.6
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	16	0.6
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	5	0.6
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	17	0.6
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	8	0.6
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	5	0.6
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	14	0.6
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	14	0.6
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	14	0.6
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	2	0.6
(2,735)	1:147:A:VAL:HG21	1:146:A:GLN:H	12	0.6
(2,735)	1:147:A:VAL:HG22	1:146:A:GLN:H	12	0.6
(2,735)	1:147:A:VAL:HG23	1:146:A:GLN:H	12	0.6
(2,733)	1:147:A:VAL:HG11	1:146:A:GLN:H	14	0.6
(2,733)	1:147:A:VAL:HG12	1:146:A:GLN:H	14	0.6
(2,733)	1:147:A:VAL:HG13	1:146:A:GLN:H	14	0.6
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	5	0.6
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	11	0.6
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	20	0.6
(2,339)	1:120:A:PHE:HB2	1:121:A:ASP:H	1	0.6
(2,300)	1:26:A:ARG:HB2	1:26:A:ARG:H	2	0.6
(2,98)	1:127:A:ALA:HB1	1:138:A:LEU:H	12	0.6
(2,98)	1:127:A:ALA:HB2	1:138:A:LEU:H	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,98)	1:127:A:ALA:HB3	1:138:A:LEU:H	12	0.6
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	7	0.6
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	16	0.6
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	18	0.6
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	10	0.6
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	7	0.6
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	7	0.6
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	7	0.6
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	6	0.6
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	6	0.6
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	6	0.6
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	2	0.6
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	8	0.6
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	10	0.6
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	4	0.6
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	6	0.6
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	9	0.6
(1,8)	1:55:A:PRO:HB2	1:30:A:TRP:HD1	7	0.6
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	4	0.59
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	4	0.59
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	4	0.59
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	5	0.59
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	5	0.59
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	5	0.59
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	5	0.59
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	6	0.59
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	6	0.59
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	6	0.59
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	9	0.59
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	9	0.59
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	9	0.59
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	12	0.59
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	12	0.59
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	12	0.59
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	13	0.59
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	13	0.59
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	13	0.59
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	7	0.59
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	7	0.59
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	7	0.59
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE1	1	0.59
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE2	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3528)	1:35:A:VAL:HG21	1:49:A:MET:HE3	1	0.59
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE1	1	0.59
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE2	1	0.59
(2,3528)	1:35:A:VAL:HG22	1:49:A:MET:HE3	1	0.59
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE1	1	0.59
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE2	1	0.59
(2,3528)	1:35:A:VAL:HG23	1:49:A:MET:HE3	1	0.59
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	20	0.59
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	20	0.59
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	20	0.59
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	20	0.59
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	20	0.59
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	20	0.59
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	8	0.59
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	8	0.59
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	8	0.59
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	18	0.59
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	18	0.59
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	18	0.59
(2,3448)	1:127:A:ALA:HB1	1:135:A:SER:HB2	1	0.59
(2,3448)	1:127:A:ALA:HB2	1:135:A:SER:HB2	1	0.59
(2,3448)	1:127:A:ALA:HB3	1:135:A:SER:HB2	1	0.59
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG21	3	0.59
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG22	3	0.59
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG23	3	0.59
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG21	11	0.59
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG22	11	0.59
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG23	11	0.59
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	11	0.59
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	11	0.59
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	11	0.59
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	11	0.59
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	11	0.59
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	11	0.59
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	11	0.59
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	11	0.59
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	11	0.59
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	11	0.59
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	11	0.59
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	11	0.59
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	11	0.59
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	11	0.59
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	11	0.59
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	11	0.59
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	11	0.59
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	19	0.59
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	19	0.59
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	19	0.59
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	19	0.59
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	19	0.59
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	19	0.59
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	19	0.59
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	19	0.59
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	19	0.59
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	14	0.59
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	14	0.59
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	14	0.59
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	7	0.59
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	7	0.59
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	7	0.59
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	8	0.59
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	8	0.59
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	8	0.59
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG21	12	0.59
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG22	12	0.59
(2,3333)	1:143:A:ALA:HA	1:84:A:VAL:HG23	12	0.59
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	1	0.59
(2,3238)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	3	0.59
(2,3238)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	6	0.59
(2,3238)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	11	0.59
(2,3238)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	20	0.59
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	1	0.59
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	2	0.59
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	8	0.59
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	12	0.59
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	13	0.59
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	16	0.59
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	19	0.59
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	14	0.59
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	9	0.59
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	17	0.59
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	17	0.59
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	18	0.59
(2,3082)	1:162:A:ARG:HG2	1:162:A:ARG:H	8	0.59
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	12	0.59
(2,2980)	1:75:A:GLN:H	1:75:A:GLN:HB3	4	0.59
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	18	0.59
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	18	0.59
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	18	0.59
(2,2571)	1:158:A:GLU:HA	1:158:A:GLU:HG2	8	0.59
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	8	0.59
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	12	0.59
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	20	0.59
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	20	0.59
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	20	0.59
(2,2446)	1:35:A:VAL:H	1:34:A:MET:HG2	3	0.59
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	10	0.59
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	15	0.59
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	19	0.59
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	1	0.59
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	1	0.59
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	1	0.59
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	13	0.59
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	13	0.59
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	13	0.59
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	6	0.59
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	10	0.59
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	12	0.59
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	16	0.59
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	10	0.59
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	4	0.59
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	4	0.59
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	4	0.59
(2,1594)	1:173:A:SER:HA	1:174:A:GLY:H	15	0.59
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	14	0.59
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	10	0.59
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	10	0.59
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	10	0.59
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	3	0.59
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	6	0.59
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	14	0.59
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	20	0.59
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	19	0.59
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	2	0.59
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	2	0.59
(2,1320)	1:93:A:GLU:HB2	1:92:A:THR:HB	5	0.59
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	9	0.59
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	9	0.59
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	9	0.59
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	19	0.59
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	19	0.59
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	19	0.59
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	15	0.59
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	15	0.59
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	2	0.59
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	4	0.59
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	9	0.59
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB1	13	0.59
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB2	13	0.59
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB3	13	0.59
(2,771)	1:49:A:MET:HB2	1:50:A:ASP:H	10	0.59
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	8	0.59
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	8	0.59
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	8	0.59
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	19	0.59
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	19	0.59
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	19	0.59
(2,504)	1:97:A:VAL:HG11	1:99:A:SER:H	12	0.59
(2,504)	1:97:A:VAL:HG12	1:99:A:SER:H	12	0.59
(2,504)	1:97:A:VAL:HG13	1:99:A:SER:H	12	0.59
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	4	0.59
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	19	0.59
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	7	0.59
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	8	0.59
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	17	0.59
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	17	0.59
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	17	0.59
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	19	0.59
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	12	0.59
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	17	0.59
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	4	0.59
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	12	0.59
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	12	0.59
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	11	0.59
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	11	0.59
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	20	0.59
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	20	0.59
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	20	0.59
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	16	0.59
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	11	0.59
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	12	0.58
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	10	0.58
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	17	0.58
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	17	0.58
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	17	0.58
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	18	0.58
(3,80)	1:53:A:LEU:HD11	1:30:A:TRP:HB2	10	0.58
(3,80)	1:53:A:LEU:HD12	1:30:A:TRP:HB2	10	0.58
(3,80)	1:53:A:LEU:HD13	1:30:A:TRP:HB2	10	0.58
(3,80)	1:53:A:LEU:HD11	1:30:A:TRP:HB3	10	0.58
(3,80)	1:53:A:LEU:HD12	1:30:A:TRP:HB3	10	0.58
(3,80)	1:53:A:LEU:HD13	1:30:A:TRP:HB3	10	0.58
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	5	0.58
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	18	0.58
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	18	0.58
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	18	0.58
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	1	0.58
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	1	0.58
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	1	0.58
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	10	0.58
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	10	0.58
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	10	0.58
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	2	0.58
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	2	0.58
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	2	0.58
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	17	0.58
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	17	0.58
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	17	0.58
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	12	0.58
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	12	0.58
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	12	0.58
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	19	0.58
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	19	0.58
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	19	0.58
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG11	4	0.58
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG12	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3422)	1:114:A:ALA:HA	1:113:A:VAL:HG13	4	0.58
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG21	20	0.58
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG22	20	0.58
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG23	20	0.58
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	8	0.58
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	8	0.58
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	8	0.58
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	8	0.58
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	8	0.58
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	8	0.58
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	8	0.58
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	8	0.58
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	8	0.58
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	8	0.58
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	8	0.58
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	8	0.58
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	8	0.58
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	8	0.58
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	8	0.58
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	8	0.58
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	8	0.58
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	8	0.58
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	17	0.58
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	17	0.58
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	17	0.58
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD11	2	0.58
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD12	2	0.58
(2,3300)	1:77:A:LEU:HA	1:77:A:LEU:HD13	2	0.58
(2,3237)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	8	0.58
(2,3236)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	9	0.58
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	11	0.58
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	12	0.58
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	18	0.58
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	18	0.58
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	2	0.58
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	3	0.58
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	6	0.58
(2,3003)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	14	0.58
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	9	0.58
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	9	0.58
(2,2740)	1:39:A:ARG:H	1:38:A:GLN:HG3	4	0.58
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	1	0.58
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	17	0.58
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	8	0.58
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	8	0.58
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	8	0.58
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	4	0.58
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	13	0.58
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	17	0.58
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	1	0.58
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	1	0.58
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	1	0.58
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	3	0.58
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	3	0.58
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	3	0.58
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	1	0.58
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	6	0.58
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	3	0.58
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	7	0.58
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	11	0.58
(2,1448)	1:99:A:SER:HA	1:97:A:VAL:HB	20	0.58
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	3	0.58
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	3	0.58
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	3	0.58
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	1	0.58
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	4	0.58
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	5	0.58
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	8	0.58
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	9	0.58
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	10	0.58
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	11	0.58
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	13	0.58
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	18	0.58
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	3	0.58
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	4	0.58
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	5	0.58
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	16	0.58
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	18	0.58
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	14	0.58
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	14	0.58
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	14	0.58
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	16	0.58
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	16	0.58
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	7	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	2	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	2	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	2	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	6	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	6	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	6	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	17	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	17	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	17	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	20	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	20	0.58
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	20	0.58
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	6	0.58
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	6	0.58
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	11	0.58
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	11	0.58
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	13	0.58
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	13	0.58
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	13	0.58
(2,1072)	1:137:A:ILE:HB	1:141:A:LEU:H	2	0.58
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	2	0.58
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	5	0.58
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	10	0.58
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	12	0.58
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	1	0.58
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	18	0.58
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	13	0.58
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	15	0.58
(2,447)	1:62:A:ALA:HB1	1:60:A:GLU:H	6	0.58
(2,447)	1:62:A:ALA:HB2	1:60:A:GLU:H	6	0.58
(2,447)	1:62:A:ALA:HB3	1:60:A:GLU:H	6	0.58
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	2	0.58
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	18	0.58
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	15	0.58
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	15	0.58
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	15	0.58
(2,327)	1:68:A:ARG:HB2	1:69:A:ILE:H	12	0.58
(2,117)	1:123:A:VAL:HG11	1:123:A:VAL:H	14	0.58
(2,117)	1:123:A:VAL:HG12	1:123:A:VAL:H	14	0.58
(2,117)	1:123:A:VAL:HG13	1:123:A:VAL:H	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	11	0.58
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	1	0.58
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	9	0.58
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	4	0.58
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	5	0.58
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	12	0.58
(1,170)	1:49:A:MET:HA	1:49:A:MET:HG3	3	0.58
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	19	0.58
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	3	0.57
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	5	0.57
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	5	0.57
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	5	0.57
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	6	0.57
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	6	0.57
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	6	0.57
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD21	14	0.57
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD22	14	0.57
(3,103)	1:31:A:ARG:HB3	1:53:A:LEU:HD23	14	0.57
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	16	0.57
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	17	0.57
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	17	0.57
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	17	0.57
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	16	0.57
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	16	0.57
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	16	0.57
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	2	0.57
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	2	0.57
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	2	0.57
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	8	0.57
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	8	0.57
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	8	0.57
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	14	0.57
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	14	0.57
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	14	0.57
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	11	0.57
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	11	0.57
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	11	0.57
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE1	5	0.57
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE2	5	0.57
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE3	5	0.57
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	20	0.57
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	20	0.57
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	2	0.57
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	2	0.57
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	2	0.57
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	14	0.57
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	14	0.57
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	14	0.57
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	3	0.57
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	3	0.57
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	3	0.57
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG21	18	0.57
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG22	18	0.57
(2,3408)	1:172:A:THR:H	1:172:A:THR:HG23	18	0.57
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	13	0.57
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	13	0.57
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	13	0.57
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	1	0.57
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	1	0.57
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	1	0.57
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	12	0.57
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	12	0.57
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	12	0.57
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	17	0.57
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	17	0.57
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	17	0.57
(2,3237)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	4	0.57
(2,3237)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	10	0.57
(2,3237)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	18	0.57
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	4	0.57
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	9	0.57
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	12	0.57
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	6	0.57
(2,3007)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	3	0.57
(2,3007)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	6	0.57
(2,3007)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	10	0.57
(2,3007)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	11	0.57
(2,3007)	1:142:A:LYS:HG3	1:142:A:LYS:HD2	20	0.57
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	1	0.57
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	2	0.57
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	7	0.57
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	8	0.57
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	13	0.57
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	14	0.57
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	19	0.57
(2,2924)	1:26:A:ARG:HB2	1:26:A:ARG:H	2	0.57
(2,2858)	1:99:A:SER:HA	1:98:A:PRO:HB2	15	0.57
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	16	0.57
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	11	0.57
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	11	0.57
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	11	0.57
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	14	0.57
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	14	0.57
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	14	0.57
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	16	0.57
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	16	0.57
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	16	0.57
(2,2573)	1:140:A:GLY:H	1:139:A:GLU:HG2	9	0.57
(2,2572)	1:58:A:GLU:HG2	1:59:A:GLU:H	15	0.57
(2,2565)	1:84:A:VAL:HA	1:85:A:LYS:HB3	13	0.57
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	16	0.57
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	20	0.57
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	13	0.57
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	12	0.57
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	12	0.57
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	12	0.57
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	10	0.57
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	10	0.57
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	7	0.57
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	7	0.57
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	8	0.57
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	3	0.57
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	12	0.57
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD11	16	0.57
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD12	16	0.57
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD13	16	0.57
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	6	0.57
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	6	0.57
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	6	0.57
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	14	0.57
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	14	0.57
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	14	0.57
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	5	0.57
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	5	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	5	0.57
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	11	0.57
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	11	0.57
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	11	0.57
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	1	0.57
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	15	0.57
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	10	0.57
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	15	0.57
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	9	0.57
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	17	0.57
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	6	0.57
(2,1594)	1:173:A:SER:HA	1:174:A:GLY:H	5	0.57
(2,1472)	1:122:A:PRO:HA	1:120:A:PHE:HB2	13	0.57
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	2	0.57
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	16	0.57
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	1	0.57
(2,1262)	1:119:A:GLY:H	1:117:A:GLU:HB3	2	0.57
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	12	0.57
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	8	0.57
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	8	0.57
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	8	0.57
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD11	1	0.57
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD12	1	0.57
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD13	1	0.57
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	14	0.57
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	20	0.57
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	9	0.57
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	12	0.57
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	14	0.57
(2,1035)	1:164:A:THR:H	1:162:A:ARG:HA	11	0.57
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	7	0.57
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	9	0.57
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	9	0.57
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	9	0.57
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	2	0.57
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	19	0.57
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	19	0.57
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	10	0.57
(2,407)	1:136:A:GLU:H	1:130:A:THR:HB	7	0.57
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	11	0.57
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	11	0.57
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	11	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	19	0.57
(2,327)	1:68:A:ARG:HB2	1:69:A:ILE:H	16	0.57
(2,5)	1:129:A:ALA:H	1:127:A:ALA:HA	9	0.57
(2,5)	1:129:A:ALA:H	1:127:A:ALA:HA	12	0.57
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	5	0.57
(1,474)	1:39:A:ARG:H	1:38:A:GLN:HE22	20	0.57
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	6	0.57
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	15	0.57
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	6	0.57
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	5	0.56
(3,150)	1:35:A:VAL:HG21	1:49:A:MET:H	10	0.56
(3,150)	1:35:A:VAL:HG22	1:49:A:MET:H	10	0.56
(3,150)	1:35:A:VAL:HG23	1:49:A:MET:H	10	0.56
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	1	0.56
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	19	0.56
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	17	0.56
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	15	0.56
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	15	0.56
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	15	0.56
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	6	0.56
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	6	0.56
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	6	0.56
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	2	0.56
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	2	0.56
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	2	0.56
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	2	0.56
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	2	0.56
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	2	0.56
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	5	0.56
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	5	0.56
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	5	0.56
(2,3579)	1:147:A:VAL:HG11	1:98:A:PRO:HD3	14	0.56
(2,3579)	1:147:A:VAL:HG12	1:98:A:PRO:HD3	14	0.56
(2,3579)	1:147:A:VAL:HG13	1:98:A:PRO:HD3	14	0.56
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	16	0.56
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	16	0.56
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	16	0.56
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	5	0.56
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	5	0.56
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	5	0.56
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	18	0.56
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	18	0.56
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE1	18	0.56
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE2	18	0.56
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE3	18	0.56
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	17	0.56
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	17	0.56
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	17	0.56
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	18	0.56
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	18	0.56
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	18	0.56
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	20	0.56
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	20	0.56
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	20	0.56
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	20	0.56
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	20	0.56
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	20	0.56
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	17	0.56
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	17	0.56
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	17	0.56
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG11	10	0.56
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG12	10	0.56
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG13	10	0.56
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	10	0.56
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	10	0.56
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	10	0.56
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	2	0.56
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	2	0.56
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	2	0.56
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	2	0.56
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	2	0.56
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	2	0.56
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	2	0.56
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	2	0.56
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	2	0.56
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	2	0.56
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	2	0.56
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	2	0.56
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	2	0.56
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	2	0.56
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	2	0.56
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	2	0.56
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	2	0.56
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	12	0.56
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	12	0.56
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	12	0.56
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	13	0.56
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	13	0.56
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	13	0.56
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	2	0.56
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	2	0.56
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	2	0.56
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	9	0.56
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	9	0.56
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	9	0.56
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD11	12	0.56
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD12	12	0.56
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD13	12	0.56
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	7	0.56
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	7	0.56
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	7	0.56
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	7	0.56
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	7	0.56
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	7	0.56
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	7	0.56
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	7	0.56
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	7	0.56
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	6	0.56
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	6	0.56
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	6	0.56
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	4	0.56
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	17	0.56
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	4	0.56
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	12	0.56
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	14	0.56
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	16	0.56
(2,3097)	1:80:A:ARG:HG2	1:80:A:ARG:HB3	7	0.56
(2,3097)	1:80:A:ARG:HG2	1:80:A:ARG:HB3	16	0.56
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	6	0.56
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	6	0.56
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	4	0.56
(2,3006)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	8	0.56
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	9	0.56
(2,3005)	1:142:A:LYS:HG2	1:142:A:LYS:HD2	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	9	0.56
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	9	0.56
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	9	0.56
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	13	0.56
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	13	0.56
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	13	0.56
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	13	0.56
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	13	0.56
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	13	0.56
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	11	0.56
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	11	0.56
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	11	0.56
(2,2703)	1:126:A:LYS:H	1:139:A:GLU:HB2	2	0.56
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	5	0.56
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	18	0.56
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	3	0.56
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	18	0.56
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	20	0.56
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	4	0.56
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	10	0.56
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	10	0.56
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	10	0.56
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	11	0.56
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	11	0.56
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	11	0.56
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	6	0.56
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	6	0.56
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	6	0.56
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	16	0.56
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	11	0.56
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	11	0.56
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	11	0.56
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	1	0.56
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	13	0.56
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	16	0.56
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	17	0.56
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	3	0.56
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	7	0.56
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	7	0.56
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	7	0.56
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	7	0.56
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	5	0.56
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	5	0.56
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	5	0.56
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	17	0.56
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	13	0.56
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	13	0.56
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	10	0.56
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	10	0.56
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	10	0.56
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	10	0.56
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	20	0.56
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	16	0.56
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	16	0.56
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	16	0.56
(2,1258)	1:119:A:GLY:H	1:117:A:GLU:HG3	3	0.56
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	11	0.56
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD11	15	0.56
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD12	15	0.56
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD13	15	0.56
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	2	0.56
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	6	0.56
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	14	0.56
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	6	0.56
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	10	0.56
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	10	0.56
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	10	0.56
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	16	0.56
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	16	0.56
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	16	0.56
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	16	0.56
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	3	0.56
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	3	0.56
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	3	0.56
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	3	0.56
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	5	0.56
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	5	0.56
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	5	0.56
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	11	0.56
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	16	0.56
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	6	0.56
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	11	0.56
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,405)	1:147:A:VAL:HG11	1:82:A:ALA:H	10	0.56
(2,405)	1:147:A:VAL:HG12	1:82:A:ALA:H	10	0.56
(2,405)	1:147:A:VAL:HG13	1:82:A:ALA:H	10	0.56
(2,372)	1:75:A:GLN:H	1:74:A:THR:H	10	0.56
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	6	0.56
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	6	0.56
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	6	0.56
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	3	0.56
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	3	0.56
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	20	0.56
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	17	0.56
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	19	0.56
(1,474)	1:39:A:ARG:H	1:38:A:GLN:HE22	3	0.56
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	13	0.56
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	13	0.56
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	13	0.56
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	19	0.56
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	19	0.56
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	19	0.56
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	20	0.56
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	20	0.56
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	20	0.56
(1,357)	1:53:A:LEU:HD11	1:47:A:PRO:HD2	5	0.56
(1,357)	1:53:A:LEU:HD12	1:47:A:PRO:HD2	5	0.56
(1,357)	1:53:A:LEU:HD13	1:47:A:PRO:HD2	5	0.56
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	3	0.56
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	6	0.56
(3,109)	1:35:A:VAL:HG21	1:31:A:ARG:H	16	0.55
(3,109)	1:35:A:VAL:HG22	1:31:A:ARG:H	16	0.55
(3,109)	1:35:A:VAL:HG23	1:31:A:ARG:H	16	0.55
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	6	0.55
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	6	0.55
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	6	0.55
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	2	0.55
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	8	0.55
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	17	0.55
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	5	0.55
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	5	0.55
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	5	0.55
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	12	0.55
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	12	0.55
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	12	0.55
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	12	0.55
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	12	0.55
(2,3542)	1:136:A:GLU:HG2	1:129:A:ALA:HB1	12	0.55
(2,3542)	1:136:A:GLU:HG2	1:129:A:ALA:HB2	12	0.55
(2,3542)	1:136:A:GLU:HG2	1:129:A:ALA:HB3	12	0.55
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	1	0.55
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	1	0.55
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	1	0.55
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	20	0.55
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	20	0.55
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	20	0.55
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	12	0.55
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	12	0.55
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	12	0.55
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	11	0.55
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	11	0.55
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	11	0.55
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	18	0.55
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	18	0.55
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	18	0.55
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	18	0.55
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	18	0.55
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	18	0.55
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	18	0.55
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	18	0.55
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	18	0.55
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	20	0.55
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	20	0.55
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	20	0.55
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	20	0.55
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	20	0.55
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	20	0.55
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	20	0.55
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	20	0.55
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	20	0.55
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	20	0.55
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	20	0.55
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	20	0.55
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	16	0.55
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	16	0.55
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	11	0.55
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	8	0.55
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	6	0.55
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	15	0.55
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	2	0.55
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	10	0.55
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	11	0.55
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	13	0.55
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	15	0.55
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	19	0.55
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	9	0.55
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	8	0.55
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	17	0.55
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	20	0.55
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	3	0.55
(2,3006)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	4	0.55
(2,3006)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	10	0.55
(2,3006)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	18	0.55
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	8	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	1	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	2	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	3	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	4	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	6	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	10	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	11	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	13	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	14	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	15	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	16	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	19	0.55
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	20	0.55
(2,2815)	1:118:A:GLY:H	1:115:A:LYS:HB2	5	0.55
(2,2692)	1:113:A:VAL:HB	1:146:A:GLN:HG3	3	0.55
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	15	0.55
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	8	0.55
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	16	0.55
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	2	0.55
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	3	0.55
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	3	0.55
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	3	0.55
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	12	0.55
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	12	0.55
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	6	0.55
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	6	0.55
(2,2452)	1:61:A:ASN:HB2	1:63:A:ASP:H	10	0.55
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	18	0.55
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	18	0.55
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	18	0.55
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	17	0.55
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	11	0.55
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	11	0.55
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	11	0.55
(2,2372)	1:32:A:ASP:HB3	1:33:A:PRO:HG2	5	0.55
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	7	0.55
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	16	0.55
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	16	0.55
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	16	0.55
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	20	0.55
(2,1766)	1:75:A:GLN:HA	1:75:A:GLN:H	5	0.55
(2,1747)	1:167:A:ARG:H	1:167:A:ARG:HA	8	0.55
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	19	0.55
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	6	0.55
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	6	0.55
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	6	0.55
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	1	0.55
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	9	0.55
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	17	0.55
(2,1331)	1:172:A:THR:H	1:172:A:THR:HB	5	0.55
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	3	0.55
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD11	7	0.55
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD12	7	0.55
(2,1209)	1:128:A:GLY:H	1:102:A:LEU:HD13	7	0.55
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	1	0.55
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	1	0.55
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	1	0.55
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	3	0.55
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	17	0.55
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	5	0.55
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	7	0.55
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	17	0.55
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	19	0.55
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	2	0.55
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	13	0.55
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	13	0.55
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	13	0.55
(2,1020)	1:139:A:GLU:H	1:139:A:GLU:HG3	5	0.55
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	8	0.55
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	15	0.55
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	20	0.55
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	20	0.55
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	20	0.55
(2,733)	1:147:A:VAL:HG11	1:146:A:GLN:H	4	0.55
(2,733)	1:147:A:VAL:HG12	1:146:A:GLN:H	4	0.55
(2,733)	1:147:A:VAL:HG13	1:146:A:GLN:H	4	0.55
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	3	0.55
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	3	0.55
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	3	0.55
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	11	0.55
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	11	0.55
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	11	0.55
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	1	0.55
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	3	0.55
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	4	0.55
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	16	0.55
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	12	0.55
(2,98)	1:127:A:ALA:HB1	1:138:A:LEU:H	9	0.55
(2,98)	1:127:A:ALA:HB2	1:138:A:LEU:H	9	0.55
(2,98)	1:127:A:ALA:HB3	1:138:A:LEU:H	9	0.55
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	18	0.55
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	5	0.55
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	14	0.55
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	14	0.55
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	14	0.55
(3,124)	1:49:A:MET:HB2	1:50:A:ASP:H	5	0.54
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	20	0.54
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	4	0.54
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	4	0.54
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	4	0.54
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	10	0.54
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	13	0.54
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	19	0.54
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	19	0.54
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	11	0.54
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	11	0.54
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	11	0.54
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	15	0.54
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	15	0.54
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	15	0.54
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	15	0.54
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	15	0.54
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	15	0.54
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	20	0.54
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	20	0.54
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	20	0.54
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	4	0.54
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	4	0.54
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	4	0.54
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	5	0.54
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	5	0.54
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	5	0.54
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	2	0.54
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	2	0.54
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	2	0.54
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	2	0.54
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	2	0.54
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	2	0.54
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	2	0.54
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	2	0.54
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	2	0.54
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	1	0.54
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	1	0.54
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	1	0.54
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	8	0.54
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	8	0.54
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	8	0.54
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	6	0.54
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	6	0.54
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	6	0.54
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	6	0.54
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	6	0.54
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	6	0.54
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	6	0.54
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	6	0.54
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	6	0.54
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	6	0.54
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	6	0.54
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	6	0.54
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	6	0.54
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	6	0.54
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	6	0.54
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	6	0.54
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	6	0.54
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	10	0.54
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	10	0.54
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	10	0.54
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	2	0.54
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	2	0.54
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	2	0.54
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	5	0.54
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	5	0.54
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	5	0.54
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	20	0.54
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	20	0.54
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	20	0.54
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	14	0.54
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	14	0.54
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	14	0.54
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	10	0.54
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	10	0.54
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	10	0.54
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	10	0.54
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	10	0.54
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	10	0.54
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	10	0.54
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	10	0.54
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	10	0.54
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	17	0.54
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	17	0.54
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	17	0.54
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	11	0.54
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	11	0.54
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	11	0.54
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	16	0.54
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	16	0.54
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	16	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3251)	1:86:A:LEU:HD21	1:93:A:GLU:HG3	14	0.54
(2,3251)	1:86:A:LEU:HD22	1:93:A:GLU:HG3	14	0.54
(2,3251)	1:86:A:LEU:HD23	1:93:A:GLU:HG3	14	0.54
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	16	0.54
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	16	0.54
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	15	0.54
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	19	0.54
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	9	0.54
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	1	0.54
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	3	0.54
(2,2980)	1:75:A:GLN:H	1:75:A:GLN:HB3	19	0.54
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	5	0.54
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	7	0.54
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	8	0.54
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	9	0.54
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	12	0.54
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	17	0.54
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	1	0.54
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	1	0.54
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	10	0.54
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	3	0.54
(2,2778)	1:55:A:PRO:HB3	1:27:A:ILE:HG12	8	0.54
(2,2778)	1:55:A:PRO:HB2	1:27:A:ILE:HG12	8	0.54
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	12	0.54
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	4	0.54
(2,2597)	1:142:A:LYS:HB2	1:145:A:GLN:HG2	4	0.54
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	11	0.54
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	14	0.54
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	3	0.54
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	17	0.54
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	17	0.54
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	17	0.54
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	17	0.54
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	18	0.54
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	18	0.54
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	18	0.54
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	4	0.54
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	15	0.54
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	15	0.54
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	15	0.54
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	11	0.54
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	11	0.54
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	6	0.54
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	6	0.54
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	6	0.54
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	8	0.54
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	5	0.54
(2,1594)	1:173:A:SER:HA	1:174:A:GLY:H	17	0.54
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	11	0.54
(2,1425)	1:52:A:PRO:HA	1:52:A:PRO:HG3	15	0.54
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	5	0.54
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	20	0.54
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	20	0.54
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	20	0.54
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD11	11	0.54
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD12	11	0.54
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD13	11	0.54
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	4	0.54
(2,1020)	1:139:A:GLU:H	1:139:A:GLU:HG3	14	0.54
(2,1020)	1:139:A:GLU:H	1:139:A:GLU:HG3	19	0.54
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	1	0.54
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	1	0.54
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	4	0.54
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	11	0.54
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	12	0.54
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	13	0.54
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	12	0.54
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	17	0.54
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	14	0.54
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	14	0.54
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	14	0.54
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	4	0.54
(2,448)	1:56:A:VAL:HG11	1:60:A:GLU:H	4	0.54
(2,448)	1:56:A:VAL:HG12	1:60:A:GLU:H	4	0.54
(2,448)	1:56:A:VAL:HG13	1:60:A:GLU:H	4	0.54
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	19	0.54
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	4	0.54
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	17	0.54
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	14	0.54
(2,372)	1:75:A:GLN:H	1:74:A:THR:H	6	0.54
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	2	0.54
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	2	0.54
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	2	0.54
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	13	0.54
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	10	0.54
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	10	0.54
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	10	0.54
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	12	0.54
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	12	0.54
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	12	0.54
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	17	0.54
(2,117)	1:123:A:VAL:HG11	1:123:A:VAL:H	9	0.54
(2,117)	1:123:A:VAL:HG12	1:123:A:VAL:H	9	0.54
(2,117)	1:123:A:VAL:HG13	1:123:A:VAL:H	9	0.54
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	16	0.54
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	20	0.54
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	3	0.54
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	3	0.54
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	3	0.54
(1,382)	1:56:A:VAL:HG11	1:31:A:ARG:HD3	3	0.54
(1,382)	1:56:A:VAL:HG12	1:31:A:ARG:HD3	3	0.54
(1,382)	1:56:A:VAL:HG13	1:31:A:ARG:HD3	3	0.54
(1,357)	1:53:A:LEU:HD11	1:47:A:PRO:HD2	3	0.54
(1,357)	1:53:A:LEU:HD12	1:47:A:PRO:HD2	3	0.54
(1,357)	1:53:A:LEU:HD13	1:47:A:PRO:HD2	3	0.54
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	17	0.53
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	14	0.53
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	1	0.53
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	3	0.53
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	4	0.53
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	6	0.53
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	7	0.53
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	12	0.53
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	15	0.53
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	10	0.53
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	16	0.53
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	20	0.53
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	20	0.53
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	20	0.53
(2,3611)	1:143:A:ALA:HB1	1:145:A:GLN:HG2	1	0.53
(2,3611)	1:143:A:ALA:HB2	1:145:A:GLN:HG2	1	0.53
(2,3611)	1:143:A:ALA:HB3	1:145:A:GLN:HG2	1	0.53
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	4	0.53
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	4	0.53
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	4	0.53
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	4	0.53
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	4	0.53
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	12	0.53
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	12	0.53
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	12	0.53
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE1	10	0.53
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE2	10	0.53
(2,3515)	1:35:A:VAL:H	1:49:A:MET:HE3	10	0.53
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	5	0.53
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	5	0.53
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	5	0.53
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	16	0.53
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	16	0.53
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	16	0.53
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	16	0.53
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	16	0.53
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	16	0.53
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	16	0.53
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	16	0.53
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	16	0.53
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	16	0.53
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	16	0.53
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	16	0.53
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	16	0.53
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	16	0.53
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	16	0.53
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	16	0.53
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	16	0.53
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	16	0.53
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	4	0.53
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	4	0.53
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	4	0.53
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	19	0.53
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	19	0.53
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	19	0.53
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD11	14	0.53
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD12	14	0.53
(2,3210)	1:137:A:ILE:HD11	1:102:A:LEU:HD13	14	0.53
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD11	14	0.53
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD12	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3210)	1:137:A:ILE:HD12	1:102:A:LEU:HD13	14	0.53
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD11	14	0.53
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD12	14	0.53
(2,3210)	1:137:A:ILE:HD13	1:102:A:LEU:HD13	14	0.53
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	16	0.53
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	16	0.53
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	16	0.53
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	16	0.53
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	16	0.53
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	16	0.53
(2,3188)	1:21:A:LEU:HD21	1:23:A:THR:H	6	0.53
(2,3188)	1:21:A:LEU:HD22	1:23:A:THR:H	6	0.53
(2,3188)	1:21:A:LEU:HD23	1:23:A:THR:H	6	0.53
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	4	0.53
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	4	0.53
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	10	0.53
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	5	0.53
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	3	0.53
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	5	0.53
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	8	0.53
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	12	0.53
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	20	0.53
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	7	0.53
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	20	0.53
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	20	0.53
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	20	0.53
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	2	0.53
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	4	0.53
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	6	0.53
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	9	0.53
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	10	0.53
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	12	0.53
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	13	0.53
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	17	0.53
(2,2975)	1:20:A:GLU:HB3	1:20:A:GLU:HG3	18	0.53
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	3	0.53
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	9	0.53
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	20	0.53
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	12	0.53
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	9	0.53
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	9	0.53
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	20	0.53
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	20	0.53
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	20	0.53
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	2	0.53
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	15	0.53
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	8	0.53
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	4	0.53
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD11	9	0.53
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD12	9	0.53
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD13	9	0.53
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	14	0.53
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	14	0.53
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	14	0.53
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	15	0.53
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	17	0.53
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	17	0.53
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	17	0.53
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	8	0.53
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	8	0.53
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	8	0.53
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	1	0.53
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	1	0.53
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	1	0.53
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	18	0.53
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	10	0.53
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	10	0.53
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	10	0.53
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	1	0.53
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	19	0.53
(2,1769)	1:161:A:LEU:HA	1:162:A:ARG:H	17	0.53
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	12	0.53
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	12	0.53
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	12	0.53
(2,1502)	1:172:A:THR:H	1:171:A:THR:HA	15	0.53
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	12	0.53
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	12	0.53
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	12	0.53
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	12	0.53
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	16	0.53
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	4	0.53
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	4	0.53
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	18	0.53
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	5	0.53
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	18	0.53
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	18	0.53
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	18	0.53
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	13	0.53
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	10	0.53
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	1	0.53
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	6	0.53
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	14	0.53
(2,771)	1:49:A:MET:HB2	1:50:A:ASP:H	18	0.53
(2,771)	1:49:A:MET:HB2	1:50:A:ASP:H	20	0.53
(2,744)	1:79:A:VAL:H	1:80:A:ARG:HB2	4	0.53
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	10	0.53
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	11	0.53
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	6	0.53
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	5	0.53
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	12	0.53
(2,422)	1:77:A:LEU:HB3	1:77:A:LEU:H	20	0.53
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	5	0.53
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	14	0.53
(2,376)	1:158:A:GLU:H	1:158:A:GLU:HB2	20	0.53
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	9	0.53
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	9	0.53
(2,117)	1:123:A:VAL:HG11	1:123:A:VAL:H	15	0.53
(2,117)	1:123:A:VAL:HG12	1:123:A:VAL:H	15	0.53
(2,117)	1:123:A:VAL:HG13	1:123:A:VAL:H	15	0.53
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	18	0.53
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	11	0.53
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	2	0.53
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	2	0.53
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	2	0.53
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	6	0.53
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	6	0.53
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	6	0.53
(1,357)	1:53:A:LEU:HD11	1:47:A:PRO:HD2	8	0.53
(1,357)	1:53:A:LEU:HD12	1:47:A:PRO:HD2	8	0.53
(1,357)	1:53:A:LEU:HD13	1:47:A:PRO:HD2	8	0.53
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	4	0.53
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	16	0.53
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	20	0.52
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	15	0.52
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	15	0.52
(3,41)	1:24:A:GLY:HA3	1:25:A:LYS:HB2	19	0.52
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	12	0.52
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD1	20	0.52
(3,22)	1:38:A:GLN:HB2	1:40:A:PHE:HD2	20	0.52
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	12	0.52
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	12	0.52
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	12	0.52
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	18	0.52
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	18	0.52
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	18	0.52
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	7	0.52
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	7	0.52
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	7	0.52
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	10	0.52
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	10	0.52
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	10	0.52
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	14	0.52
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	14	0.52
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	14	0.52
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	11	0.52
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	11	0.52
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	11	0.52
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	1	0.52
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	1	0.52
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	1	0.52
(2,3611)	1:143:A:ALA:HB1	1:145:A:GLN:HG2	13	0.52
(2,3611)	1:143:A:ALA:HB2	1:145:A:GLN:HG2	13	0.52
(2,3611)	1:143:A:ALA:HB3	1:145:A:GLN:HG2	13	0.52
(2,3521)	1:49:A:MET:HE1	1:34:A:MET:HA	6	0.52
(2,3521)	1:49:A:MET:HE2	1:34:A:MET:HA	6	0.52
(2,3521)	1:49:A:MET:HE3	1:34:A:MET:HA	6	0.52
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	4	0.52
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	4	0.52
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	4	0.52
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	20	0.52
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	20	0.52
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	20	0.52
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	9	0.52
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	9	0.52
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	9	0.52
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	9	0.52
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	9	0.52
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	9	0.52
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	9	0.52
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	9	0.52
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	12	0.52
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	12	0.52
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	12	0.52
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	12	0.52
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	12	0.52
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	12	0.52
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	12	0.52
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	12	0.52
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	12	0.52
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	17	0.52
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	17	0.52
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	17	0.52
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	17	0.52
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	17	0.52
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	17	0.52
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	17	0.52
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	17	0.52
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	17	0.52
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	17	0.52
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	17	0.52
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	17	0.52
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	17	0.52
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	17	0.52
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	17	0.52
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	17	0.52
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	17	0.52
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	17	0.52
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	7	0.52
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	7	0.52
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	7	0.52
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	15	0.52
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	15	0.52
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	15	0.52
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	6	0.52
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	17	0.52
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	17	0.52
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	17	0.52
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	17	0.52
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	17	0.52
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	19	0.52
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	19	0.52
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	19	0.52
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	19	0.52
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	19	0.52
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	19	0.52
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	8	0.52
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	8	0.52
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	8	0.52
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	11	0.52
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	11	0.52
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	11	0.52
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	5	0.52
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	13	0.52
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	2	0.52
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	7	0.52
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	13	0.52
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	6	0.52
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	7	0.52
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	17	0.52
(2,3097)	1:80:A:ARG:HG2	1:80:A:ARG:HB3	14	0.52
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	4	0.52
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	15	0.52
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	1	0.52
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	7	0.52
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	11	0.52
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	14	0.52
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	19	0.52
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	20	0.52
(2,2815)	1:118:A:GLY:H	1:115:A:LYS:HB2	1	0.52
(2,2815)	1:118:A:GLY:H	1:115:A:LYS:HB2	12	0.52
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	18	0.52
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	14	0.52
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	14	0.52
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	14	0.52
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	4	0.52
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	19	0.52
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	5	0.52
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	5	0.52
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	5	0.52
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	20	0.52
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	9	0.52
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	9	0.52
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	9	0.52
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	14	0.52
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	14	0.52
(2,2258)	1:89:A:LEU:HA	1:88:A:ARG:HD2	13	0.52
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	3	0.52
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	19	0.52
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	19	0.52
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	19	0.52
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	20	0.52
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	20	0.52
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	20	0.52
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	4	0.52
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	16	0.52
(2,1674)	1:143:A:ALA:HB1	1:145:A:GLN:HA	12	0.52
(2,1674)	1:143:A:ALA:HB2	1:145:A:GLN:HA	12	0.52
(2,1674)	1:143:A:ALA:HB3	1:145:A:GLN:HA	12	0.52
(2,1591)	1:91:A:SER:HB2	1:91:A:SER:HA	5	0.52
(2,1591)	1:91:A:SER:HB2	1:91:A:SER:HA	9	0.52
(2,1448)	1:99:A:SER:HA	1:97:A:VAL:HB	18	0.52
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	13	0.52
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	13	0.52
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	13	0.52
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	12	0.52
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	7	0.52
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	7	0.52
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	7	0.52
(2,1358)	1:137:A:ILE:HG21	1:135:A:SER:HB2	17	0.52
(2,1358)	1:137:A:ILE:HG22	1:135:A:SER:HB2	17	0.52
(2,1358)	1:137:A:ILE:HG23	1:135:A:SER:HB2	17	0.52
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	15	0.52
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	13	0.52
(2,1041)	1:21:A:LEU:HD21	1:23:A:THR:H	11	0.52
(2,1041)	1:21:A:LEU:HD22	1:23:A:THR:H	11	0.52
(2,1041)	1:21:A:LEU:HD23	1:23:A:THR:H	11	0.52
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	13	0.52
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	5	0.52
(2,748)	1:127:A:ALA:H	1:109:A:THR:H	12	0.52
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	19	0.52
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	11	0.52
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	15	0.52
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	5	0.52
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	5	0.52
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	5	0.52
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	13	0.52
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	5	0.52
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	6	0.52
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	19	0.52
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	7	0.52
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	20	0.52
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	20	0.52
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	20	0.52
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	11	0.52
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	17	0.52
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	17	0.52
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	17	0.52
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	6	0.51
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	13	0.51
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	3	0.51
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	3	0.51
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	3	0.51
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	6	0.51
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	6	0.51
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	6	0.51
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	6	0.51
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	6	0.51
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	6	0.51
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	6	0.51
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	6	0.51
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	6	0.51
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	5	0.51
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	5	0.51
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	5	0.51
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	5	0.51
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	5	0.51
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	5	0.51
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	18	0.51
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	18	0.51
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	19	0.51
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	19	0.51
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	19	0.51
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE1	15	0.51
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE2	15	0.51
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE3	15	0.51
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	17	0.51
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	17	0.51
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	17	0.51
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	14	0.51
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	14	0.51
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	14	0.51
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	7	0.51
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	7	0.51
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	7	0.51
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	4	0.51
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	4	0.51
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	4	0.51
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	4	0.51
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	4	0.51
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	4	0.51
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	4	0.51
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	4	0.51
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	4	0.51
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	8	0.51
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	8	0.51
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	8	0.51
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	8	0.51
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	8	0.51
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	8	0.51
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	8	0.51
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	8	0.51
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	8	0.51
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	14	0.51
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	14	0.51
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	14	0.51
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	14	0.51
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	14	0.51
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	14	0.51
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	3	0.51
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	3	0.51
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	13	0.51
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	13	0.51
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	13	0.51
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	3	0.51
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	5	0.51
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	1	0.51
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	19	0.51
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	14	0.51
(2,3094)	1:68:A:ARG:HG3	1:69:A:ILE:H	7	0.51
(2,3029)	1:115:A:LYS:H	1:115:A:LYS:HD2	5	0.51
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	9	0.51
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	16	0.51
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	6	0.51
(2,2803)	1:81:A:THR:HA	1:148:A:VAL:HB	17	0.51
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	9	0.51
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	17	0.51
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	5	0.51
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	15	0.51
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	7	0.51
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	11	0.51
(2,1935)	1:67:A:VAL:HG21	1:65:A:ALA:HA	2	0.51
(2,1935)	1:67:A:VAL:HG22	1:65:A:ALA:HA	2	0.51
(2,1935)	1:67:A:VAL:HG23	1:65:A:ALA:HA	2	0.51
(2,1935)	1:67:A:VAL:HG11	1:65:A:ALA:HA	2	0.51
(2,1935)	1:67:A:VAL:HG12	1:65:A:ALA:HA	2	0.51
(2,1935)	1:67:A:VAL:HG13	1:65:A:ALA:HA	2	0.51
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	2	0.51
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	2	0.51
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	2	0.51
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	2	0.51
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	7	0.51
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	18	0.51
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	18	0.51
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	18	0.51
(2,1591)	1:91:A:SER:HB2	1:91:A:SER:HA	1	0.51
(2,1591)	1:91:A:SER:HB2	1:91:A:SER:HA	6	0.51
(2,1591)	1:91:A:SER:HB2	1:91:A:SER:HA	14	0.51
(2,1591)	1:91:A:SER:HB2	1:91:A:SER:HA	17	0.51
(2,1591)	1:91:A:SER:HB2	1:91:A:SER:HA	18	0.51
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	18	0.51
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	4	0.51
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	4	0.51
(2,1192)	1:144:A:GLY:H	1:146:A:GLN:HG2	14	0.51
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	3	0.51
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	3	0.51
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	19	0.51
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	2	0.51
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	13	0.51
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	8	0.51
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	10	0.51
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	3	0.51
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	7	0.51
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	2	0.51
(2,421)	1:22:A:LYS:H	1:22:A:LYS:HB2	4	0.51
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	1	0.51
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	1	0.51
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	1	0.51
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	10	0.51
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	10	0.51
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	10	0.51
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	18	0.51
(2,117)	1:123:A:VAL:HG11	1:123:A:VAL:H	4	0.51
(2,117)	1:123:A:VAL:HG12	1:123:A:VAL:H	4	0.51
(2,117)	1:123:A:VAL:HG13	1:123:A:VAL:H	4	0.51
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	14	0.51
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	5	0.51
(1,474)	1:39:A:ARG:H	1:38:A:GLN:HE22	9	0.51
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	12	0.51
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	12	0.51
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	12	0.51
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	6	0.5
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	6	0.5
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	6	0.5
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	19	0.5
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	19	0.5
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	19	0.5
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG21	5	0.5
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG22	5	0.5
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG23	5	0.5
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG21	5	0.5
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG22	5	0.5
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG23	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG21	5	0.5
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG22	5	0.5
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG23	5	0.5
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	9	0.5
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	1	0.5
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	1	0.5
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	1	0.5
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	8	0.5
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	8	0.5
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	8	0.5
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	11	0.5
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	11	0.5
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	11	0.5
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	11	0.5
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	11	0.5
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	11	0.5
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	1	0.5
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	1	0.5
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	1	0.5
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	13	0.5
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	13	0.5
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	13	0.5
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	5	0.5
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	5	0.5
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	5	0.5
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	12	0.5
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	12	0.5
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	12	0.5
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	12	0.5
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	12	0.5
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	12	0.5
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	12	0.5
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	12	0.5
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	12	0.5
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	12	0.5
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	12	0.5
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	12	0.5
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	12	0.5
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	12	0.5
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	12	0.5
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	12	0.5
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	12	0.5
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	15	0.5
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	15	0.5
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	15	0.5
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	15	0.5
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	15	0.5
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	15	0.5
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	15	0.5
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	15	0.5
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	15	0.5
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	1	0.5
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	1	0.5
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	1	0.5
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	1	0.5
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	1	0.5
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	1	0.5
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	1	0.5
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	1	0.5
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	1	0.5
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	13	0.5
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	13	0.5
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	13	0.5
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	13	0.5
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	13	0.5
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	13	0.5
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	13	0.5
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	13	0.5
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	13	0.5
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	15	0.5
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	15	0.5
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	15	0.5
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	15	0.5
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	15	0.5
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	15	0.5
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	15	0.5
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	15	0.5
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	15	0.5
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	3	0.5
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	3	0.5
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	3	0.5
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	5	0.5
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	8	0.5
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	17	0.5
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	20	0.5
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	4	0.5
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	9	0.5
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	15	0.5
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	3	0.5
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	5	0.5
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	15	0.5
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	7	0.5
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	7	0.5
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	7	0.5
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	8	0.5
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	12	0.5
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	12	0.5
(2,2723)	1:51:A:MET:HB3	1:49:A:MET:HG3	10	0.5
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	1	0.5
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	15	0.5
(2,2482)	1:34:A:MET:HG3	1:34:A:MET:HA	19	0.5
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	15	0.5
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	15	0.5
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	15	0.5
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	6	0.5
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	2	0.5
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	2	0.5
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	2	0.5
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	13	0.5
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	13	0.5
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	13	0.5
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	18	0.5
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	7	0.5
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	7	0.5
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	7	0.5
(2,2387)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	1	0.5
(2,2387)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	1	0.5
(2,2387)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	1	0.5
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	12	0.5
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	1	0.5
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	8	0.5
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	13	0.5
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	13	0.5
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	14	0.5
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	14	0.5
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD2	5	0.5
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD3	5	0.5
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	10	0.5
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	18	0.5
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	14	0.5
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	14	0.5
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	14	0.5
(2,1853)	1:134:A:GLN:HA	1:99:A:SER:HB3	1	0.5
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	17	0.5
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	17	0.5
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	17	0.5
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	17	0.5
(2,1746)	1:73:A:VAL:H	1:72:A:ARG:HA	17	0.5
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	19	0.5
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	19	0.5
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	19	0.5
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	18	0.5
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	18	0.5
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	18	0.5
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	1	0.5
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	14	0.5
(2,1259)	1:118:A:GLY:H	1:117:A:GLU:HG2	3	0.5
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	13	0.5
(2,1041)	1:21:A:LEU:HD21	1:23:A:THR:H	9	0.5
(2,1041)	1:21:A:LEU:HD22	1:23:A:THR:H	9	0.5
(2,1041)	1:21:A:LEU:HD23	1:23:A:THR:H	9	0.5
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	19	0.5
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	19	0.5
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	19	0.5
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	7	0.5
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	17	0.5
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	17	0.5
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	17	0.5
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	17	0.5
(2,771)	1:49:A:MET:HB2	1:50:A:ASP:H	16	0.5
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	1	0.5
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	5	0.5
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	6	0.5
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	8	0.5
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	3	0.5
(2,195)	1:57:A:TYR:H	1:58:A:GLU:HB2	15	0.5
(2,117)	1:123:A:VAL:HG11	1:123:A:VAL:H	12	0.5
(2,117)	1:123:A:VAL:HG12	1:123:A:VAL:H	12	0.5
(2,117)	1:123:A:VAL:HG13	1:123:A:VAL:H	12	0.5
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	6	0.5
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	16	0.5
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	6	0.5
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	4	0.5
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	4	0.5
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	4	0.5
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	5	0.5
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	5	0.5
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	5	0.5
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	2	0.5
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	10	0.5
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	5	0.5
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	5	0.5
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	5	0.5
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	14	0.5
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	14	0.5
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	14	0.5
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	8	0.49
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	20	0.49
(3,117)	1:62:A:ALA:HB1	1:60:A:GLU:H	5	0.49
(3,117)	1:62:A:ALA:HB2	1:60:A:GLU:H	5	0.49
(3,117)	1:62:A:ALA:HB3	1:60:A:GLU:H	5	0.49
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG21	5	0.49
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG22	5	0.49
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG23	5	0.49
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG21	5	0.49
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG22	5	0.49
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG23	5	0.49
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG21	5	0.49
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG22	5	0.49
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG23	5	0.49
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	8	0.49
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	8	0.49
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	8	0.49
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	20	0.49
(3,40)	1:24:A:GLY:HA3	1:26:A:ARG:HG3	18	0.49
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	6	0.49
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	6	0.49
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	18	0.49
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	18	0.49
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	18	0.49
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	18	0.49
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	18	0.49
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	18	0.49
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	18	0.49
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	18	0.49
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	18	0.49
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	11	0.49
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	11	0.49
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	11	0.49
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	11	0.49
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	11	0.49
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	11	0.49
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	18	0.49
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	18	0.49
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	18	0.49
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	6	0.49
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	6	0.49
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	6	0.49
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	10	0.49
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	10	0.49
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	10	0.49
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	11	0.49
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	11	0.49
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	11	0.49
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	3	0.49
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	3	0.49
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	3	0.49
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	6	0.49
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	6	0.49
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	6	0.49
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	6	0.49
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	6	0.49
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	6	0.49
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	6	0.49
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	6	0.49
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	6	0.49
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	11	0.49
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	15	0.49
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	16	0.49
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	1	0.49
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	10	0.49
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	11	0.49
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	13	0.49
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	17	0.49
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	1	0.49
(2,2744)	1:38:A:GLN:H	1:38:A:GLN:HG3	15	0.49
(2,2597)	1:142:A:LYS:HB2	1:145:A:GLN:HG2	19	0.49
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	6	0.49
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	10	0.49
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	12	0.49
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	6	0.49
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	13	0.49
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	9	0.49
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	9	0.49
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	16	0.49
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	5	0.49
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	10	0.49
(2,2293)	1:86:A:LEU:H	1:86:A:LEU:HB2	17	0.49
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	15	0.49
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	15	0.49
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	1	0.49
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	3	0.49
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	3	0.49
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	9	0.49
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	9	0.49
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	9	0.49
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	4	0.49
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	4	0.49
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	4	0.49
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	1	0.49
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	18	0.49
(2,1650)	1:97:A:VAL:HG21	1:135:A:SER:HA	19	0.49
(2,1650)	1:97:A:VAL:HG22	1:135:A:SER:HA	19	0.49
(2,1650)	1:97:A:VAL:HG23	1:135:A:SER:HA	19	0.49
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	9	0.49
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	9	0.49
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	9	0.49
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	13	0.49
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	13	0.49
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	12	0.49
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	12	0.49
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	9	0.49
(2,831)	1:104:A:ARG:HD3	1:105:A:THR:H	5	0.49
(2,824)	1:62:A:ALA:HB1	1:63:A:ASP:H	8	0.49
(2,824)	1:62:A:ALA:HB2	1:63:A:ASP:H	8	0.49
(2,824)	1:62:A:ALA:HB3	1:63:A:ASP:H	8	0.49
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	20	0.49
(2,733)	1:147:A:VAL:HG11	1:146:A:GLN:H	16	0.49
(2,733)	1:147:A:VAL:HG12	1:146:A:GLN:H	16	0.49
(2,733)	1:147:A:VAL:HG13	1:146:A:GLN:H	16	0.49
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	18	0.49
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	2	0.49
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	2	0.49
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	4	0.49
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	20	0.49
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	20	0.49
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	20	0.49
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	20	0.49
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	20	0.49
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	3	0.49
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	3	0.49
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	3	0.49
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	7	0.49
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	9	0.49
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	15	0.49
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	10	0.49
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	8	0.49
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	8	0.49
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	8	0.49
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	16	0.49
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	16	0.49
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	16	0.49
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	9	0.49
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	20	0.49
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	20	0.49
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	20	0.49
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	7	0.49
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	7	0.49
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG21	20	0.48
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG22	20	0.48
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG23	20	0.48
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG21	20	0.48
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG22	20	0.48
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG23	20	0.48
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG21	20	0.48
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG22	20	0.48
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG23	20	0.48
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG21	20	0.48
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG22	20	0.48
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG23	20	0.48
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG21	20	0.48
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG22	20	0.48
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG23	20	0.48
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG21	20	0.48
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG22	20	0.48
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG23	20	0.48
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	12	0.48
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	20	0.48
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	18	0.48
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	6	0.48
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	6	0.48
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	6	0.48
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	8	0.48
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	8	0.48
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	8	0.48
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	20	0.48
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	20	0.48
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	20	0.48
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	16	0.48
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	16	0.48
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	16	0.48
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	16	0.48
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	16	0.48
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	16	0.48
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	16	0.48
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	16	0.48
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	16	0.48
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	18	0.48
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	18	0.48
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	20	0.48
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	20	0.48
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	20	0.48
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	20	0.48
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	20	0.48
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	20	0.48
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	20	0.48
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	20	0.48
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	20	0.48
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	6	0.48
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	6	0.48
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	6	0.48
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	11	0.48
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	11	0.48
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	11	0.48
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	3	0.48
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	3	0.48
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	3	0.48
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	3	0.48
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	3	0.48
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	3	0.48
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	3	0.48
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	3	0.48
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	3	0.48
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	6	0.48
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	6	0.48
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	6	0.48
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	6	0.48
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	14	0.48
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	17	0.48
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	15	0.48
(2,2703)	1:126:A:LYS:H	1:139:A:GLU:HB2	5	0.48
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	19	0.48
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	19	0.48
(2,2450)	1:79:A:VAL:HG11	1:76:A:ASN:HB2	12	0.48
(2,2450)	1:79:A:VAL:HG12	1:76:A:ASN:HB2	12	0.48
(2,2450)	1:79:A:VAL:HG13	1:76:A:ASN:HB2	12	0.48
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	5	0.48
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	17	0.48
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	15	0.48
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	1	0.48
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	16	0.48
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	16	0.48
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	16	0.48
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	7	0.48
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	16	0.48
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	16	0.48
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	16	0.48
(2,1782)	1:68:A:ARG:H	1:68:A:ARG:HA	18	0.48
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	1	0.48
(2,1541)	1:69:A:ILE:HA	1:69:A:ILE:HG12	17	0.48
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	20	0.48
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	13	0.48
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	15	0.48
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	15	0.48
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	15	0.48
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	18	0.48
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	18	0.48
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	18	0.48
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	20	0.48
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	20	0.48
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	20	0.48
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	9	0.48
(2,1054)	1:147:A:VAL:H	1:146:A:GLN:HG3	8	0.48
(2,1041)	1:21:A:LEU:HD21	1:23:A:THR:H	14	0.48
(2,1041)	1:21:A:LEU:HD22	1:23:A:THR:H	14	0.48
(2,1041)	1:21:A:LEU:HD23	1:23:A:THR:H	14	0.48
(2,1038)	1:21:A:LEU:HB3	1:23:A:THR:H	16	0.48
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	13	0.48
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	13	0.48
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	18	0.48
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	14	0.48
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	14	0.48
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	14	0.48
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	12	0.48
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	19	0.48
(2,733)	1:147:A:VAL:HG11	1:146:A:GLN:H	11	0.48
(2,733)	1:147:A:VAL:HG12	1:146:A:GLN:H	11	0.48
(2,733)	1:147:A:VAL:HG13	1:146:A:GLN:H	11	0.48
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	15	0.48
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	12	0.48
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	14	0.48
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	14	0.48
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	17	0.48
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	17	0.48
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	17	0.48
(2,327)	1:68:A:ARG:HB2	1:69:A:ILE:H	18	0.48
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	18	0.48
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	19	0.48
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	2	0.48
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	16	0.48
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	11	0.48
(1,447)	1:27:A:ILE:HD11	1:57:A:TYR:HB3	9	0.48
(1,447)	1:27:A:ILE:HD12	1:57:A:TYR:HB3	9	0.48
(1,447)	1:27:A:ILE:HD13	1:57:A:TYR:HB3	9	0.48
(1,357)	1:53:A:LEU:HD11	1:47:A:PRO:HD2	13	0.48
(1,357)	1:53:A:LEU:HD12	1:47:A:PRO:HD2	13	0.48
(1,357)	1:53:A:LEU:HD13	1:47:A:PRO:HD2	13	0.48
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	1	0.48
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	2	0.48
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	19	0.47
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	16	0.47
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	14	0.47
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	14	0.47
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	14	0.47
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	17	0.47
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	17	0.47
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	17	0.47
(3,72)	1:36:A:PRO:HA	1:36:A:PRO:HG2	11	0.47
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	7	0.47
(3,39)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	6	0.47
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	7	0.47
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	7	0.47
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	7	0.47
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	14	0.47
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	14	0.47
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	14	0.47
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	17	0.47
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	17	0.47
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	17	0.47
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	17	0.47
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	17	0.47
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	17	0.47
(2,3580)	1:147:A:VAL:HG11	1:84:A:VAL:HA	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3580)	1:147:A:VAL:HG12	1:84:A:VAL:HA	16	0.47
(2,3580)	1:147:A:VAL:HG13	1:84:A:VAL:HA	16	0.47
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	4	0.47
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	4	0.47
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	4	0.47
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	7	0.47
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	7	0.47
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	7	0.47
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	9	0.47
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	9	0.47
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	9	0.47
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	4	0.47
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	4	0.47
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	4	0.47
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	8	0.47
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	8	0.47
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	8	0.47
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	19	0.47
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	19	0.47
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	19	0.47
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	17	0.47
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	17	0.47
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	17	0.47
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	17	0.47
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	17	0.47
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	17	0.47
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	4	0.47
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	4	0.47
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	4	0.47
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	4	0.47
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	4	0.47
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	4	0.47
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	4	0.47
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	4	0.47
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	4	0.47
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	6	0.47
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	6	0.47
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	6	0.47
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	6	0.47
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	6	0.47
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	6	0.47
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	6	0.47
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	6	0.47
(2,3448)	1:127:A:ALA:HB1	1:135:A:SER:HB2	6	0.47
(2,3448)	1:127:A:ALA:HB2	1:135:A:SER:HB2	6	0.47
(2,3448)	1:127:A:ALA:HB3	1:135:A:SER:HB2	6	0.47
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	2	0.47
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	2	0.47
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	2	0.47
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	11	0.47
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	10	0.47
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	14	0.47
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	16	0.47
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	18	0.47
(2,3188)	1:21:A:LEU:HD21	1:23:A:THR:H	1	0.47
(2,3188)	1:21:A:LEU:HD22	1:23:A:THR:H	1	0.47
(2,3188)	1:21:A:LEU:HD23	1:23:A:THR:H	1	0.47
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	8	0.47
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	3	0.47
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	10	0.47
(2,3110)	1:36:A:PRO:HA	1:36:A:PRO:HG3	16	0.47
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	7	0.47
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	5	0.47
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	9	0.47
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	10	0.47
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	17	0.47
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	1	0.47
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	3	0.47
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	8	0.47
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	17	0.47
(2,2940)	1:167:A:ARG:H	1:167:A:ARG:HB2	14	0.47
(2,2940)	1:167:A:ARG:H	1:167:A:ARG:HB2	15	0.47
(2,2936)	1:68:A:ARG:H	1:68:A:ARG:HB2	17	0.47
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	5	0.47
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	14	0.47
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	14	0.47
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	14	0.47
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	14	0.47
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	14	0.47
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	14	0.47
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	11	0.47
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	11	0.47
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	3	0.47
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	3	0.47
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	3	0.47
(2,2482)	1:34:A:MET:HG3	1:34:A:MET:HA	20	0.47
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	4	0.47
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	4	0.47
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	4	0.47
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	13	0.47
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	13	0.47
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	13	0.47
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	16	0.47
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	7	0.47
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	13	0.47
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	18	0.47
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	18	0.47
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	18	0.47
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	17	0.47
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	17	0.47
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	17	0.47
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	6	0.47
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	6	0.47
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	6	0.47
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	7	0.47
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	16	0.47
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	16	0.47
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	16	0.47
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	11	0.47
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	11	0.47
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	11	0.47
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	12	0.47
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	12	0.47
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	12	0.47
(2,1415)	1:130:A:THR:HG21	1:99:A:SER:HB2	13	0.47
(2,1415)	1:130:A:THR:HG22	1:99:A:SER:HB2	13	0.47
(2,1415)	1:130:A:THR:HG23	1:99:A:SER:HB2	13	0.47
(2,1393)	1:40:A:PHE:HE1	1:47:A:PRO:HA	18	0.47
(2,1393)	1:40:A:PHE:HE2	1:47:A:PRO:HA	18	0.47
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	11	0.47
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	11	0.47
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	11	0.47
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	13	0.47
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	13	0.47
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	20	0.47
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB1	13	0.47
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB2	13	0.47
(2,1207)	1:128:A:GLY:H	1:129:A:ALA:HB3	13	0.47
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	8	0.47
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	14	0.47
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	16	0.47
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	8	0.47
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	9	0.47
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	14	0.47
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	18	0.47
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	2	0.47
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	10	0.47
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	7	0.47
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	7	0.47
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	7	0.47
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	10	0.47
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	10	0.47
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	10	0.47
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	7	0.47
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD11	2	0.47
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD12	2	0.47
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD13	2	0.47
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	1	0.47
(2,408)	1:136:A:GLU:H	1:99:A:SER:HA	10	0.47
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	19	0.47
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	10	0.47
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	16	0.47
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	18	0.47
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	9	0.47
(2,143)	1:93:A:GLU:H	1:92:A:THR:HB	5	0.47
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	7	0.47
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	8	0.47
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	17	0.47
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	20	0.47
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	8	0.47
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	15	0.47
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	20	0.47
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	19	0.47
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE1	15	0.47
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE2	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,151)	1:53:A:LEU:HD21	1:49:A:MET:H	3	0.46
(3,151)	1:53:A:LEU:HD22	1:49:A:MET:H	3	0.46
(3,151)	1:53:A:LEU:HD23	1:49:A:MET:H	3	0.46
(3,124)	1:49:A:MET:HB2	1:50:A:ASP:H	8	0.46
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	11	0.46
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	11	0.46
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	11	0.46
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	15	0.46
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	15	0.46
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	15	0.46
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	16	0.46
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	18	0.46
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	19	0.46
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	19	0.46
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	19	0.46
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	10	0.46
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	10	0.46
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	10	0.46
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	9	0.46
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	9	0.46
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	9	0.46
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG21	8	0.46
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG22	8	0.46
(2,3510)	1:131:A:ALA:HA	1:130:A:THR:HG23	8	0.46
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	7	0.46
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	7	0.46
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	7	0.46
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	7	0.46
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	7	0.46
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	7	0.46
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	7	0.46
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	7	0.46
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	7	0.46
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	14	0.46
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	14	0.46
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	14	0.46
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	4	0.46
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	4	0.46
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	4	0.46
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	4	0.46
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	4	0.46
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	4	0.46
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	4	0.46
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	4	0.46
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	12	0.46
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	12	0.46
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	12	0.46
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	18	0.46
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	18	0.46
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	18	0.46
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	1	0.46
(2,3282)	1:85:A:LYS:HD3	1:85:A:LYS:HG3	17	0.46
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	5	0.46
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	5	0.46
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	5	0.46
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD21	12	0.46
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD22	12	0.46
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD23	12	0.46
(2,3125)	1:72:A:ARG:HG3	1:72:A:ARG:HA	2	0.46
(2,3125)	1:72:A:ARG:HG2	1:72:A:ARG:HA	2	0.46
(2,3118)	1:68:A:ARG:H	1:68:A:ARG:HG2	19	0.46
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	10	0.46
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	18	0.46
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	14	0.46
(2,3029)	1:115:A:LYS:H	1:115:A:LYS:HD2	1	0.46
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	13	0.46
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	2	0.46
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	7	0.46
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	8	0.46
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	14	0.46
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	6	0.46
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	3	0.46
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	11	0.46
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	11	0.46
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	11	0.46
(2,2452)	1:61:A:ASN:HB2	1:63:A:ASP:H	4	0.46
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	12	0.46
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	12	0.46
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	12	0.46
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	10	0.46
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	10	0.46
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	12	0.46
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	12	0.46
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	8	0.46
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	12	0.46
(2,2213)	1:121:A:ASP:HB2	1:115:A:LYS:HD3	16	0.46
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	17	0.46
(2,2098)	1:175:A:LEU:H	1:174:A:GLY:HA2	9	0.46
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	17	0.46
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	3	0.46
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	3	0.46
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	1	0.46
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	1	0.46
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	1	0.46
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	11	0.46
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	11	0.46
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	11	0.46
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	19	0.46
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	19	0.46
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	19	0.46
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	18	0.46
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	18	0.46
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	18	0.46
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	3	0.46
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	20	0.46
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	1	0.46
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	1	0.46
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	1	0.46
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	7	0.46
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	2	0.46
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	12	0.46
(2,1502)	1:172:A:THR:H	1:171:A:THR:HA	8	0.46
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	3	0.46
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	3	0.46
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	3	0.46
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	10	0.46
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	14	0.46
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	14	0.46
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	14	0.46
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	3	0.46
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	3	0.46
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	3	0.46
(2,1161)	1:49:A:MET:H	1:49:A:MET:HG2	8	0.46
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	1	0.46
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	4	0.46
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	19	0.46
(2,1038)	1:21:A:LEU:HB3	1:23:A:THR:H	19	0.46
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	6	0.46
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	9	0.46
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	20	0.46
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	16	0.46
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	19	0.46
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	20	0.46
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	6	0.46
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	6	0.46
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	6	0.46
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	12	0.46
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	2	0.46
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	6	0.46
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	17	0.46
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	9	0.46
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	6	0.46
(2,414)	1:176:A:GLU:H	1:175:A:LEU:HA	17	0.46
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	20	0.46
(2,377)	1:75:A:GLN:H	1:75:A:GLN:HB2	19	0.46
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	5	0.46
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	5	0.46
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	5	0.46
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	19	0.46
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	19	0.46
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	19	0.46
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	12	0.46
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	2	0.46
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	2	0.46
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	18	0.46
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	18	0.46
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	18	0.46
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	11	0.46
(1,176)	1:52:A:PRO:HD2	1:51:A:MET:HA	2	0.46
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	9	0.46
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	9	0.46
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	1	0.45
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	3	0.45
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	4	0.45
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	16	0.45
(3,75)	1:34:A:MET:HA	1:36:A:PRO:HG3	20	0.45
(3,54)	1:56:A:VAL:HG11	1:54:A:ILE:HB	14	0.45
(3,54)	1:56:A:VAL:HG12	1:54:A:ILE:HB	14	0.45
(3,54)	1:56:A:VAL:HG13	1:54:A:ILE:HB	14	0.45
(3,16)	1:39:A:ARG:HG3	1:29:A:TYR:HE1	1	0.45
(3,16)	1:39:A:ARG:HG3	1:29:A:TYR:HE2	1	0.45
(3,16)	1:39:A:ARG:HG2	1:29:A:TYR:HE1	1	0.45
(3,16)	1:39:A:ARG:HG2	1:29:A:TYR:HE2	1	0.45
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	10	0.45
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	10	0.45
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	10	0.45
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	4	0.45
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	4	0.45
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	4	0.45
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	20	0.45
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	20	0.45
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	20	0.45
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	3	0.45
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	3	0.45
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	3	0.45
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	3	0.45
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	3	0.45
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	3	0.45
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	10	0.45
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	10	0.45
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	10	0.45
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	16	0.45
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	16	0.45
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	16	0.45
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	1	0.45
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	1	0.45
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	1	0.45
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	14	0.45
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	14	0.45
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	14	0.45
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	4	0.45
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	4	0.45
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	4	0.45
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	13	0.45
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	13	0.45
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	3	0.45
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	3	0.45
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	3	0.45
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	3	0.45
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	3	0.45
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	3	0.45
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	3	0.45
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	3	0.45
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	3	0.45
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	5	0.45
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	5	0.45
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	5	0.45
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	5	0.45
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	5	0.45
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	5	0.45
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	5	0.45
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	5	0.45
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	5	0.45
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	16	0.45
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	16	0.45
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	16	0.45
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	2	0.45
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	2	0.45
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	2	0.45
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	2	0.45
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	2	0.45
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	2	0.45
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	2	0.45
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	2	0.45
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	2	0.45
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	7	0.45
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	11	0.45
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	12	0.45
(2,3027)	1:115:A:LYS:H	1:115:A:LYS:HD3	14	0.45
(2,2985)	1:123:A:VAL:HG21	1:124:A:GLU:HB2	15	0.45
(2,2985)	1:123:A:VAL:HG22	1:124:A:GLU:HB2	15	0.45
(2,2985)	1:123:A:VAL:HG23	1:124:A:GLU:HB2	15	0.45
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	6	0.45
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	6	0.45
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	8	0.45
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	8	0.45
(2,2803)	1:81:A:THR:HA	1:148:A:VAL:HB	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	10	0.45
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	7	0.45
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	9	0.45
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	9	0.45
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	9	0.45
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	19	0.45
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	7	0.45
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	7	0.45
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	7	0.45
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	19	0.45
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	16	0.45
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	16	0.45
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	16	0.45
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	15	0.45
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	15	0.45
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	8	0.45
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	17	0.45
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	18	0.45
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	16	0.45
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA2	20	0.45
(2,2102)	1:162:A:ARG:HB3	1:163:A:GLY:HA3	20	0.45
(2,2098)	1:175:A:LEU:H	1:174:A:GLY:HA2	19	0.45
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	3	0.45
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	10	0.45
(2,2068)	1:84:A:VAL:HG21	1:141:A:LEU:HB2	12	0.45
(2,2068)	1:84:A:VAL:HG22	1:141:A:LEU:HB2	12	0.45
(2,2068)	1:84:A:VAL:HG23	1:141:A:LEU:HB2	12	0.45
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	3	0.45
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	3	0.45
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	3	0.45
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	4	0.45
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	4	0.45
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	4	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	5	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	5	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	5	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	7	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	7	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	7	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	8	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	8	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	10	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	10	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	10	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	12	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	12	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	12	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	15	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	15	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	15	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	20	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	20	0.45
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	20	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	3	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	3	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	3	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	5	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	5	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	5	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	10	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	10	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	10	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	11	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	11	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	11	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	12	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	12	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	12	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	13	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	13	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	13	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	15	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	15	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	15	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	19	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	19	0.45
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	19	0.45
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	10	0.45
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	10	0.45
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	10	0.45
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	17	0.45
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	17	0.45
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	10	0.45
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	10	0.45
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	10	0.45
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	13	0.45
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	13	0.45
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	13	0.45
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	11	0.45
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	4	0.45
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	20	0.45
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	20	0.45
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	20	0.45
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	14	0.45
(2,1650)	1:97:A:VAL:HG21	1:135:A:SER:HA	16	0.45
(2,1650)	1:97:A:VAL:HG22	1:135:A:SER:HA	16	0.45
(2,1650)	1:97:A:VAL:HG23	1:135:A:SER:HA	16	0.45
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	9	0.45
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	9	0.45
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	9	0.45
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	1	0.45
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	14	0.45
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	14	0.45
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	14	0.45
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	16	0.45
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	16	0.45
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	16	0.45
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	4	0.45
(2,1331)	1:172:A:THR:H	1:172:A:THR:HB	19	0.45
(2,1271)	1:37:A:GLY:H	1:36:A:PRO:HG3	20	0.45
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	19	0.45
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	4	0.45
(2,1161)	1:49:A:MET:H	1:49:A:MET:HG2	14	0.45
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	12	0.45
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	15	0.45
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	1	0.45
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	20	0.45
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	10	0.45
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	20	0.45
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	17	0.45
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	4	0.45
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	4	0.45
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	4	0.45
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	7	0.45
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	4	0.45
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	12	0.45
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	18	0.45
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	12	0.45
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	1	0.45
(2,86)	1:89:A:LEU:H	1:88:A:ARG:H	5	0.45
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	4	0.45
(1,364)	1:53:A:LEU:HD21	1:31:A:ARG:HA	10	0.45
(1,364)	1:53:A:LEU:HD22	1:31:A:ARG:HA	10	0.45
(1,364)	1:53:A:LEU:HD23	1:31:A:ARG:HA	10	0.45
(1,176)	1:52:A:PRO:HD2	1:51:A:MET:HA	6	0.45
(1,176)	1:52:A:PRO:HD2	1:51:A:MET:HA	12	0.45
(1,176)	1:52:A:PRO:HD2	1:51:A:MET:HA	13	0.45
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	14	0.44
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	12	0.44
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	12	0.44
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	12	0.44
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD3	4	0.44
(3,47)	1:28:A:LEU:HB3	1:31:A:ARG:HD2	4	0.44
(3,43)	1:24:A:GLY:HA3	1:25:A:LYS:HD3	5	0.44
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	5	0.44
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	5	0.44
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE1	15	0.44
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE2	15	0.44
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	3	0.44
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	3	0.44
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	3	0.44
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	12	0.44
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	12	0.44
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	12	0.44
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	1	0.44
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	1	0.44
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	1	0.44
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	18	0.44
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	18	0.44
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	18	0.44
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	13	0.44
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	13	0.44
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	13	0.44
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	13	0.44
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	13	0.44
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	13	0.44
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	13	0.44
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	13	0.44
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	15	0.44
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	15	0.44
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	15	0.44
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	15	0.44
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	15	0.44
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	15	0.44
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	15	0.44
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	15	0.44
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	15	0.44
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	8	0.44
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	8	0.44
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	8	0.44
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	8	0.44
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	8	0.44
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	8	0.44
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	8	0.44
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	8	0.44
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	8	0.44
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	9	0.44
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	9	0.44
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	9	0.44
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	16	0.44
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	16	0.44
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	16	0.44
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	1	0.44
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	1	0.44
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	1	0.44
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	5	0.44
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	5	0.44
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	5	0.44
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	8	0.44
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	16	0.44
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	14	0.44
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	18	0.44
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	5	0.44
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	5	0.44
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	13	0.44
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	15	0.44
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	15	0.44
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	16	0.44
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	16	0.44
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	16	0.44
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	1	0.44
(2,2537)	1:101:A:ALA:H	1:100:A:GLU:HG2	17	0.44
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	6	0.44
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	6	0.44
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	6	0.44
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	15	0.44
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	15	0.44
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	15	0.44
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	7	0.44
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	7	0.44
(2,2304)	1:102:A:LEU:HA	1:110:A:ILE:HB	10	0.44
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	3	0.44
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD3	16	0.44
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD2	16	0.44
(2,2248)	1:89:A:LEU:H	1:88:A:ARG:HD2	1	0.44
(2,2248)	1:89:A:LEU:H	1:88:A:ARG:HD3	1	0.44
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	6	0.44
(2,2198)	1:29:A:TYR:HE1	1:31:A:ARG:HD2	15	0.44
(2,2198)	1:29:A:TYR:HE2	1:31:A:ARG:HD2	15	0.44
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	11	0.44
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	20	0.44
(2,2098)	1:175:A:LEU:H	1:174:A:GLY:HA2	6	0.44
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	19	0.44
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	19	0.44
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	19	0.44
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	19	0.44
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	3	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	2	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	2	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	2	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	5	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	5	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	5	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	6	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	6	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	6	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	7	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	7	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	8	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	8	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	8	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	9	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	9	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	9	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	11	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	11	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	11	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	12	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	12	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	12	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	13	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	13	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	13	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	17	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	17	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	17	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	18	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	18	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	18	0.44
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	19	0.44
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	19	0.44
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	19	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	2	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	2	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	2	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	3	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	3	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	3	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	4	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	4	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	4	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	13	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	13	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	13	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	14	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	14	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	14	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	16	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	16	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	18	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	18	0.44
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	18	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	1	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	1	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	1	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	2	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	2	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	2	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	4	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	4	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	4	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	8	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	8	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	8	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	9	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	9	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	9	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	16	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	16	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	16	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	17	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	17	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	17	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	18	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	18	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	18	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	20	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	20	0.44
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	20	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	7	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	7	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	7	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	12	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	12	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	12	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	13	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	13	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	13	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	14	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	14	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	15	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	15	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	15	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	19	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	19	0.44
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	19	0.44
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	8	0.44
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	3	0.44
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	9	0.44
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	10	0.44
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	16	0.44
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	16	0.44
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	16	0.44
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	18	0.44
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	20	0.44
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	13	0.44
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	13	0.44
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	13	0.44
(2,1594)	1:173:A:SER:HA	1:174:A:GLY:H	8	0.44
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	3	0.44
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	3	0.44
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	3	0.44
(2,1480)	1:26:A:ARG:HG3	1:23:A:THR:HA	6	0.44
(2,1407)	1:160:A:SER:HB2	1:161:A:LEU:HG	14	0.44
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	20	0.44
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	20	0.44
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	20	0.44
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	4	0.44
(2,1263)	1:118:A:GLY:H	1:115:A:LYS:HB2	13	0.44
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	12	0.44
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	12	0.44
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	12	0.44
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	12	0.44
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG11	5	0.44
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG12	5	0.44
(2,1169)	1:38:A:GLN:HE21	1:35:A:VAL:HG13	5	0.44
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	4	0.44
(2,1074)	1:141:A:LEU:H	1:141:A:LEU:HG	7	0.44
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	10	0.44
(2,961)	1:34:A:MET:H	1:33:A:PRO:HG2	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	16	0.44
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	16	0.44
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	16	0.44
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	15	0.44
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	15	0.44
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	15	0.44
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	7	0.44
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	7	0.44
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	7	0.44
(2,737)	1:76:A:ASN:HA	1:79:A:VAL:H	17	0.44
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	2	0.44
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	4	0.44
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	14	0.44
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	10	0.44
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	10	0.44
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	10	0.44
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	14	0.44
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	14	0.44
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	14	0.44
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG11	15	0.44
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG12	15	0.44
(2,636)	1:58:A:GLU:H	1:56:A:VAL:HG13	15	0.44
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	11	0.44
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	13	0.44
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	9	0.44
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	9	0.44
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	9	0.44
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	10	0.44
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	10	0.44
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	10	0.44
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	14	0.44
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	16	0.44
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	2	0.44
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	11	0.44
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	5	0.44
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	12	0.44
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	12	0.44
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	12	0.44
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	7	0.44
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	13	0.44
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	18	0.44
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	19	0.44
(1,176)	1:52:A:PRO:HD2	1:51:A:MET:HA	8	0.44
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	5	0.43
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	4	0.43
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	4	0.43
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	4	0.43
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	8	0.43
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	16	0.43
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	16	0.43
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	16	0.43
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	1	0.43
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	1	0.43
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	1	0.43
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	13	0.43
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	13	0.43
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	13	0.43
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	9	0.43
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	9	0.43
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	9	0.43
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	14	0.43
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	14	0.43
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	14	0.43
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	14	0.43
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	14	0.43
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	14	0.43
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD3	19	0.43
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD3	19	0.43
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD3	19	0.43
(2,3596)	1:110:A:ILE:HG21	1:108:A:ARG:HD2	19	0.43
(2,3596)	1:110:A:ILE:HG22	1:108:A:ARG:HD2	19	0.43
(2,3596)	1:110:A:ILE:HG23	1:108:A:ARG:HD2	19	0.43
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	4	0.43
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	4	0.43
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	4	0.43
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	20	0.43
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	20	0.43
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	20	0.43
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	10	0.43
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	10	0.43
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	10	0.43
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	14	0.43
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	14	0.43
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	10	0.43
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	10	0.43
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	10	0.43
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	2	0.43
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	2	0.43
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	2	0.43
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	20	0.43
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	20	0.43
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	20	0.43
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	20	0.43
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	20	0.43
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	20	0.43
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	20	0.43
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	20	0.43
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	20	0.43
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	20	0.43
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	20	0.43
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	20	0.43
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	20	0.43
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	20	0.43
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	20	0.43
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	20	0.43
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	20	0.43
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	20	0.43
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	19	0.43
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	19	0.43
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	19	0.43
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	19	0.43
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	19	0.43
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	19	0.43
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	19	0.43
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	19	0.43
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	19	0.43
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	19	0.43
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	19	0.43
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	19	0.43
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD11	17	0.43
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD12	17	0.43
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD13	17	0.43
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	12	0.43
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	12	0.43
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	12	0.43
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	12	0.43
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	12	0.43
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	12	0.43
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	12	0.43
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	12	0.43
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	6	0.43
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	1	0.43
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	1	0.43
(2,3029)	1:115:A:LYS:H	1:115:A:LYS:HD2	2	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	3	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	4	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	5	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	6	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	10	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	11	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	12	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	13	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	14	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	15	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	16	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	18	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	19	0.43
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	20	0.43
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	12	0.43
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	12	0.43
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	12	0.43
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	18	0.43
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	18	0.43
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	19	0.43
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	19	0.43
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	18	0.43
(2,2803)	1:81:A:THR:HA	1:148:A:VAL:HB	19	0.43
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	17	0.43
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	1	0.43
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	1	0.43
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	1	0.43
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	20	0.43
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	20	0.43
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	20	0.43
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	13	0.43
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	13	0.43
(2,2551)	1:136:A:GLU:HG3	1:135:A:SER:H	2	0.43
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	2	0.43
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	3	0.43
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	3	0.43
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	3	0.43
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	8	0.43
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	8	0.43
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	8	0.43
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	16	0.43
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	16	0.43
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	16	0.43
(2,2374)	1:31:A:ARG:HB2	1:32:A:ASP:HB3	6	0.43
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG21	7	0.43
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG22	7	0.43
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG23	7	0.43
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	2	0.43
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	19	0.43
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	19	0.43
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	17	0.43
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	17	0.43
(2,2203)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	8	0.43
(2,2203)	1:121:A:ASP:HB3	1:122:A:PRO:HD2	8	0.43
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	10	0.43
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	10	0.43
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	10	0.43
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	19	0.43
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	19	0.43
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	19	0.43
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	11	0.43
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	11	0.43
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	11	0.43
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	20	0.43
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	6	0.43
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	10	0.43
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	10	0.43
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	10	0.43
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	14	0.43
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	14	0.43
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	14	0.43
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	16	0.43
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	16	0.43
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	1	0.43
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	1	0.43
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	1	0.43
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	9	0.43
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	9	0.43
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	9	0.43
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	17	0.43
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	17	0.43
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	17	0.43
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	6	0.43
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	6	0.43
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	6	0.43
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	7	0.43
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	7	0.43
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	7	0.43
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB1	14	0.43
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB2	14	0.43
(2,1940)	1:65:A:ALA:HA	1:65:A:ALA:HB3	14	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	2	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	2	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	2	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	3	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	3	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	3	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	6	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	6	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	6	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	9	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	9	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	9	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	18	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	18	0.43
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	18	0.43
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	19	0.43
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	19	0.43
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	19	0.43
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	10	0.43
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	9	0.43
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	11	0.43
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1528)	1:130:A:THR:HA	1:99:A:SER:HB3	7	0.43
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	16	0.43
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	16	0.43
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	16	0.43
(2,1405)	1:160:A:SER:HB3	1:161:A:LEU:HG	5	0.43
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	4	0.43
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	4	0.43
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	4	0.43
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	6	0.43
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	6	0.43
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	6	0.43
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	5	0.43
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	19	0.43
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	19	0.43
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	13	0.43
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD11	20	0.43
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD12	20	0.43
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD13	20	0.43
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	9	0.43
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	16	0.43
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	11	0.43
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	5	0.43
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	5	0.43
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	5	0.43
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	12	0.43
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	12	0.43
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	12	0.43
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB1	17	0.43
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB2	17	0.43
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB3	17	0.43
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	12	0.43
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	13	0.43
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	11	0.43
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	16	0.43
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	15	0.43
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	16	0.43
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	17	0.43
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	9	0.43
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	16	0.43
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	16	0.43
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	16	0.43
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG21	17	0.43
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG22	17	0.43
(2,369)	1:86:A:LEU:H	1:84:A:VAL:HG23	17	0.43
(2,327)	1:68:A:ARG:HB2	1:69:A:ILE:H	10	0.43
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	14	0.43
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	10	0.43
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	2	0.43
(1,545)	1:62:A:ALA:H	1:61:A:ASN:H	14	0.43
(1,474)	1:39:A:ARG:H	1:38:A:GLN:HE22	10	0.43
(1,469)	1:53:A:LEU:HD11	1:29:A:TYR:HD1	10	0.43
(1,469)	1:53:A:LEU:HD11	1:29:A:TYR:HD2	10	0.43
(1,469)	1:53:A:LEU:HD12	1:29:A:TYR:HD1	10	0.43
(1,469)	1:53:A:LEU:HD12	1:29:A:TYR:HD2	10	0.43
(1,469)	1:53:A:LEU:HD13	1:29:A:TYR:HD1	10	0.43
(1,469)	1:53:A:LEU:HD13	1:29:A:TYR:HD2	10	0.43
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	7	0.43
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	7	0.43
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	7	0.43
(1,290)	1:46:A:SER:HB2	1:51:A:MET:HG2	2	0.43
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	11	0.42
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	11	0.42
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	11	0.42
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	18	0.42
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	18	0.42
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	18	0.42
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	5	0.42
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	5	0.42
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	5	0.42
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	1	0.42
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	1	0.42
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	1	0.42
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	20	0.42
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	20	0.42
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	20	0.42
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	10	0.42
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	10	0.42
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	10	0.42
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	17	0.42
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	17	0.42
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	17	0.42
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	2	0.42
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	2	0.42
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	8	0.42
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	8	0.42
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	8	0.42
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	4	0.42
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	4	0.42
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	4	0.42
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	1	0.42
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	1	0.42
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	1	0.42
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	18	0.42
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	18	0.42
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	18	0.42
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	18	0.42
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	18	0.42
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	18	0.42
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	18	0.42
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	18	0.42
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	18	0.42
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	20	0.42
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	20	0.42
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	20	0.42
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	20	0.42
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	20	0.42
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	20	0.42
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	20	0.42
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	20	0.42
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	20	0.42
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	14	0.42
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	14	0.42
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	14	0.42
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	14	0.42
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	14	0.42
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	14	0.42
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	14	0.42
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	14	0.42
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	14	0.42
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	14	0.42
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	14	0.42
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	14	0.42
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	14	0.42
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	14	0.42
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	14	0.42
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	14	0.42
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	14	0.42
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	13	0.42
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	13	0.42
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	13	0.42
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	13	0.42
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	13	0.42
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	13	0.42
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	13	0.42
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	13	0.42
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	13	0.42
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	16	0.42
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	16	0.42
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	16	0.42
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	1	0.42
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	1	0.42
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	1	0.42
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	9	0.42
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	9	0.42
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	9	0.42
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	9	0.42
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	9	0.42
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	9	0.42
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	9	0.42
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	9	0.42
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	9	0.42
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	20	0.42
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	20	0.42
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	20	0.42
(2,3099)	1:26:A:ARG:HA	1:26:A:ARG:HG2	6	0.42
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	11	0.42
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	2	0.42
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	7	0.42
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	16	0.42
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	1	0.42
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	2	0.42
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	7	0.42
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	8	0.42
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	17	0.42
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2985)	1:123:A:VAL:HG21	1:124:A:GLU:HB2	12	0.42
(2,2985)	1:123:A:VAL:HG22	1:124:A:GLU:HB2	12	0.42
(2,2985)	1:123:A:VAL:HG23	1:124:A:GLU:HB2	12	0.42
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	20	0.42
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	20	0.42
(2,2803)	1:81:A:THR:HA	1:148:A:VAL:HB	18	0.42
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	7	0.42
(2,2703)	1:126:A:LYS:H	1:139:A:GLU:HB2	9	0.42
(2,2687)	1:145:A:GLN:HB3	1:147:A:VAL:HB	20	0.42
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	3	0.42
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	2	0.42
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	2	0.42
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	2	0.42
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	13	0.42
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	13	0.42
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	13	0.42
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	14	0.42
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	17	0.42
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	12	0.42
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	12	0.42
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	19	0.42
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	19	0.42
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	13	0.42
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	13	0.42
(2,2203)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	13	0.42
(2,2203)	1:121:A:ASP:HB3	1:122:A:PRO:HD2	13	0.42
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	5	0.42
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	7	0.42
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	10	0.42
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	10	0.42
(2,1995)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	8	0.42
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	13	0.42
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	15	0.42
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	15	0.42
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	15	0.42
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	20	0.42
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	20	0.42
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	20	0.42
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB1	6	0.42
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB2	6	0.42
(2,1941)	1:66:A:ALA:HA	1:66:A:ALA:HB3	6	0.42
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	4	0.42
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	4	0.42
(2,1853)	1:134:A:GLN:HA	1:99:A:SER:HB3	2	0.42
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	1	0.42
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	1	0.42
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	1	0.42
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	20	0.42
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	20	0.42
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	20	0.42
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	2	0.42
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	3	0.42
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	13	0.42
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	12	0.42
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	8	0.42
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	8	0.42
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	8	0.42
(2,1331)	1:172:A:THR:H	1:172:A:THR:HB	10	0.42
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	8	0.42
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	9	0.42
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD1	9	0.42
(2,1171)	1:38:A:GLN:HE22	1:40:A:PHE:HD2	9	0.42
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	19	0.42
(2,1071)	1:139:A:GLU:HB2	1:141:A:LEU:H	18	0.42
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	11	0.42
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	15	0.42
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	5	0.42
(2,800)	1:67:A:VAL:H	1:67:A:VAL:HB	11	0.42
(2,771)	1:49:A:MET:HB2	1:50:A:ASP:H	5	0.42
(2,737)	1:76:A:ASN:HA	1:79:A:VAL:H	5	0.42
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	19	0.42
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	5	0.42
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	13	0.42
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	14	0.42
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	16	0.42
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	16	0.42
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	16	0.42
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	16	0.42
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	4	0.42
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	15	0.42
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	15	0.42
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	15	0.42
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,327)	1:68:A:ARG:HB2	1:69:A:ILE:H	13	0.42
(2,327)	1:68:A:ARG:HB2	1:69:A:ILE:H	14	0.42
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	2	0.42
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	1	0.42
(1,176)	1:52:A:PRO:HD2	1:51:A:MET:HA	7	0.42
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	14	0.42
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	14	0.42
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	17	0.41
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	20	0.41
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	13	0.41
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	12	0.41
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	12	0.41
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	12	0.41
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	14	0.41
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD1	3	0.41
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD2	3	0.41
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD1	3	0.41
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD2	3	0.41
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	13	0.41
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	13	0.41
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	13	0.41
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	1	0.41
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	1	0.41
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	1	0.41
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	19	0.41
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	19	0.41
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	19	0.41
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	1	0.41
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	1	0.41
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	1	0.41
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	11	0.41
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	11	0.41
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	11	0.41
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE1	7	0.41
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE2	7	0.41
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE3	7	0.41
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	16	0.41
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	16	0.41
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	16	0.41
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	16	0.41
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	16	0.41
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	16	0.41
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	16	0.41
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	16	0.41
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	2	0.41
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	2	0.41
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	2	0.41
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	9	0.41
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	9	0.41
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	9	0.41
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG11	5	0.41
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG12	5	0.41
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG13	5	0.41
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	2	0.41
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	2	0.41
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	2	0.41
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	2	0.41
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	2	0.41
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	2	0.41
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	2	0.41
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	2	0.41
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	2	0.41
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	10	0.41
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	10	0.41
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	10	0.41
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	10	0.41
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	10	0.41
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	10	0.41
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	10	0.41
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	10	0.41
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	10	0.41
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	7	0.41
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	7	0.41
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	7	0.41
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	7	0.41
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	7	0.41
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	7	0.41
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	7	0.41
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	7	0.41
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	7	0.41
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	7	0.41
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	7	0.41
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	2	0.41
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	12	0.41
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	10	0.41
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	4	0.41
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	5	0.41
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	8	0.41
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	15	0.41
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	2	0.41
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	2	0.41
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	20	0.41
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	20	0.41
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	2	0.41
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	19	0.41
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	5	0.41
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	5	0.41
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	5	0.41
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	5	0.41
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	5	0.41
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	5	0.41
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	14	0.41
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	14	0.41
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	14	0.41
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	18	0.41
(2,2380)	1:67:A:VAL:HG11	1:63:A:ASP:HB3	6	0.41
(2,2380)	1:67:A:VAL:HG12	1:63:A:ASP:HB3	6	0.41
(2,2380)	1:67:A:VAL:HG13	1:63:A:ASP:HB3	6	0.41
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	8	0.41
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	13	0.41
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	13	0.41
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	9	0.41
(2,2293)	1:86:A:LEU:H	1:86:A:LEU:HB2	6	0.41
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD3	11	0.41
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD2	11	0.41
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	9	0.41
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	9	0.41
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	7	0.41
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	7	0.41
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	16	0.41
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	16	0.41
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	3	0.41
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	3	0.41
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	15	0.41
(2,2098)	1:175:A:LEU:H	1:174:A:GLY:HA2	8	0.41
(2,2098)	1:175:A:LEU:H	1:174:A:GLY:HA2	15	0.41
(2,2049)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	17	0.41
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	8	0.41
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	8	0.41
(2,1995)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	10	0.41
(2,1995)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	13	0.41
(2,1942)	1:19:A:ALA:HB1	1:19:A:ALA:HA	1	0.41
(2,1942)	1:19:A:ALA:HB2	1:19:A:ALA:HA	1	0.41
(2,1942)	1:19:A:ALA:HB3	1:19:A:ALA:HA	1	0.41
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	1	0.41
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	1	0.41
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	1	0.41
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	20	0.41
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	20	0.41
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	20	0.41
(2,1905)	1:29:A:TYR:HB3	1:42:A:LYS:HA	20	0.41
(2,1897)	1:143:A:ALA:HA	1:85:A:LYS:HG2	17	0.41
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	14	0.41
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	14	0.41
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	14	0.41
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	1	0.41
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	1	0.41
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	1	0.41
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	4	0.41
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	4	0.41
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	9	0.41
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	14	0.41
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	14	0.41
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	14	0.41
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	14	0.41
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	5	0.41
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	5	0.41
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	5	0.41
(2,1038)	1:21:A:LEU:HB3	1:23:A:THR:H	14	0.41
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	4	0.41
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	4	0.41
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	4	0.41
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	4	0.41
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	4	0.41
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	18	0.41
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	19	0.41
(2,1025)	1:127:A:ALA:HB1	1:139:A:GLU:H	1	0.41
(2,1025)	1:127:A:ALA:HB2	1:139:A:GLU:H	1	0.41
(2,1025)	1:127:A:ALA:HB3	1:139:A:GLU:H	1	0.41
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	8	0.41
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	3	0.41
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	7	0.41
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	8	0.41
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	15	0.41
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	14	0.41
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	2	0.41
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	2	0.41
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	2	0.41
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	20	0.41
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	1	0.41
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	9	0.41
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	14	0.41
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	6	0.41
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	6	0.41
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	6	0.41
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	8	0.41
(2,107)	1:138:A:LEU:H	1:139:A:GLU:HB2	8	0.41
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	11	0.41
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	2	0.41
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	15	0.41
(2,33)	1:127:A:ALA:H	1:126:A:LYS:HG3	5	0.41
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	7	0.41
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB1	16	0.41
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB2	16	0.41
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB3	16	0.41
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	16	0.41
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	16	0.41
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	16	0.41
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	4	0.41
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	4	0.41
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	4	0.41
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	10	0.41
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	10	0.41
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	10	0.41
(1,176)	1:52:A:PRO:HD2	1:51:A:MET:HA	14	0.41
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	16	0.41
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	11	0.4
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	18	0.4
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	18	0.4
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	18	0.4
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	17	0.4
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	17	0.4
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	17	0.4
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	2	0.4
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	2	0.4
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	2	0.4
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	3	0.4
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	3	0.4
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	3	0.4
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	7	0.4
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	7	0.4
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	7	0.4
(2,3588)	1:159:A:ALA:HB1	1:156:A:ASP:HB2	16	0.4
(2,3588)	1:159:A:ALA:HB2	1:156:A:ASP:HB2	16	0.4
(2,3588)	1:159:A:ALA:HB3	1:156:A:ASP:HB2	16	0.4
(2,3588)	1:159:A:ALA:HB1	1:156:A:ASP:HB3	16	0.4
(2,3588)	1:159:A:ALA:HB2	1:156:A:ASP:HB3	16	0.4
(2,3588)	1:159:A:ALA:HB3	1:156:A:ASP:HB3	16	0.4
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	4	0.4
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	4	0.4
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	4	0.4
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	3	0.4
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	3	0.4
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	3	0.4
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	16	0.4
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	16	0.4
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	16	0.4
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	2	0.4
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	2	0.4
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	2	0.4
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	17	0.4
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	17	0.4
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	17	0.4
(2,3529)	1:46:A:SER:HB3	1:49:A:MET:HE1	2	0.4
(2,3529)	1:46:A:SER:HB3	1:49:A:MET:HE2	2	0.4
(2,3529)	1:46:A:SER:HB3	1:49:A:MET:HE3	2	0.4
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	2	0.4
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	2	0.4
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	20	0.4
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	20	0.4
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	20	0.4
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	17	0.4
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	17	0.4
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	17	0.4
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE1	19	0.4
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE2	19	0.4
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE3	19	0.4
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	1	0.4
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	1	0.4
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	1	0.4
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	5	0.4
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	5	0.4
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	5	0.4
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	14	0.4
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	14	0.4
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	14	0.4
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	8	0.4
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	8	0.4
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	8	0.4
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	8	0.4
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	8	0.4
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	8	0.4
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	8	0.4
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	8	0.4
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	8	0.4
(2,3448)	1:127:A:ALA:HB1	1:135:A:SER:HB2	5	0.4
(2,3448)	1:127:A:ALA:HB2	1:135:A:SER:HB2	5	0.4
(2,3448)	1:127:A:ALA:HB3	1:135:A:SER:HB2	5	0.4
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	1	0.4
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	1	0.4
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	1	0.4
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	1	0.4
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	1	0.4
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	1	0.4
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	1	0.4
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	1	0.4
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	1	0.4
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	2	0.4
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	2	0.4
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	2	0.4
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	2	0.4
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	2	0.4
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	2	0.4
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	2	0.4
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	2	0.4
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	2	0.4
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	2	0.4
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	2	0.4
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	9	0.4
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	9	0.4
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	9	0.4
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	11	0.4
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	11	0.4
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	11	0.4
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	11	0.4
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	11	0.4
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	11	0.4
(2,3126)	1:26:A:ARG:HA	1:26:A:ARG:HG3	13	0.4
(2,3117)	1:109:A:THR:H	1:108:A:ARG:HG3	1	0.4
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	16	0.4
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	2	0.4
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	3	0.4
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	6	0.4
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	3	0.4
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	6	0.4
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	13	0.4
(2,3060)	1:111:A:ALA:H	1:110:A:ILE:HG13	20	0.4
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	20	0.4
(2,3029)	1:115:A:LYS:H	1:115:A:LYS:HD2	10	0.4
(2,3013)	1:100:A:GLU:HB3	1:100:A:GLU:HG3	9	0.4
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	15	0.4
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	15	0.4
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	15	0.4
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	4	0.4
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	3	0.4
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	7	0.4
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	16	0.4
(2,2853)	1:80:A:ARG:HB3	1:150:A:SER:H	5	0.4
(2,2771)	1:68:A:ARG:H	1:67:A:VAL:HB	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	18	0.4
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	18	0.4
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	18	0.4
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	18	0.4
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	18	0.4
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	18	0.4
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	7	0.4
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	7	0.4
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	7	0.4
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	13	0.4
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	13	0.4
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	13	0.4
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	17	0.4
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	17	0.4
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	17	0.4
(2,2636)	1:31:A:ARG:HB2	1:37:A:GLY:H	15	0.4
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	5	0.4
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	1	0.4
(2,2489)	1:35:A:VAL:HG21	1:34:A:MET:HG2	18	0.4
(2,2489)	1:35:A:VAL:HG22	1:34:A:MET:HG2	18	0.4
(2,2489)	1:35:A:VAL:HG23	1:34:A:MET:HG2	18	0.4
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	18	0.4
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	18	0.4
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	18	0.4
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	11	0.4
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	8	0.4
(2,2321)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	8	0.4
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD3	18	0.4
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD2	18	0.4
(2,2248)	1:89:A:LEU:H	1:88:A:ARG:HD2	5	0.4
(2,2248)	1:89:A:LEU:H	1:88:A:ARG:HD3	5	0.4
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	19	0.4
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	19	0.4
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	10	0.4
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	6	0.4
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	6	0.4
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	6	0.4
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	18	0.4
(2,2028)	1:149:A:VAL:HG21	1:98:A:PRO:HD2	5	0.4
(2,2028)	1:149:A:VAL:HG22	1:98:A:PRO:HD2	5	0.4
(2,2028)	1:149:A:VAL:HG23	1:98:A:PRO:HD2	5	0.4
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	15	0.4
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	5	0.4
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	5	0.4
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	5	0.4
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	11	0.4
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	11	0.4
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	11	0.4
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	16	0.4
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	16	0.4
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	16	0.4
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	2	0.4
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	2	0.4
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	2	0.4
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	19	0.4
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	20	0.4
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	7	0.4
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	7	0.4
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	7	0.4
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	9	0.4
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	10	0.4
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	16	0.4
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	17	0.4
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	18	0.4
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	3	0.4
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	3	0.4
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	3	0.4
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	20	0.4
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	20	0.4
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	20	0.4
(2,1331)	1:172:A:THR:H	1:172:A:THR:HB	12	0.4
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	13	0.4
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	13	0.4
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	13	0.4
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	2	0.4
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	11	0.4
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	13	0.4
(2,1161)	1:49:A:MET:H	1:49:A:MET:HG2	1	0.4
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	3	0.4
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	8	0.4
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	14	0.4
(2,862)	1:145:A:GLN:H	1:142:A:LYS:HG3	13	0.4
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	12	0.4
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	12	0.4
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	12	0.4
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	7	0.4
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	9	0.4
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	17	0.4
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	17	0.4
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	17	0.4
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	15	0.4
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	10	0.4
(2,418)	1:75:A:GLN:H	1:75:A:GLN:HB3	3	0.4
(2,372)	1:75:A:GLN:H	1:74:A:THR:H	18	0.4
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	2	0.4
(2,233)	1:70:A:ASP:H	1:69:A:ILE:HG12	17	0.4
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	16	0.4
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	14	0.4
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	3	0.4
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	4	0.4
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	4	0.4
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	4	0.4
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	11	0.4
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	11	0.4
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	11	0.4
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	18	0.4
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	18	0.4
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	18	0.4
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	19	0.4
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	19	0.4
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	19	0.4
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	9	0.4
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	17	0.4
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	17	0.4
(3,156)	1:54:A:ILE:H	1:34:A:MET:HE1	15	0.39
(3,156)	1:54:A:ILE:H	1:34:A:MET:HE2	15	0.39
(3,156)	1:54:A:ILE:H	1:34:A:MET:HE3	15	0.39
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	4	0.39
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	10	0.39
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	10	0.39
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	10	0.39
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	2	0.39
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	2	0.39
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	2	0.39
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	2	0.39
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	2	0.39
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	2	0.39
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	2	0.39
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	2	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	2	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	2	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	2	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	3	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	3	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	3	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	12	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	12	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	12	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	15	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	15	0.39
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	15	0.39
(2,3588)	1:159:A:ALA:HB1	1:156:A:ASP:HB2	2	0.39
(2,3588)	1:159:A:ALA:HB2	1:156:A:ASP:HB2	2	0.39
(2,3588)	1:159:A:ALA:HB3	1:156:A:ASP:HB2	2	0.39
(2,3588)	1:159:A:ALA:HB1	1:156:A:ASP:HB3	2	0.39
(2,3588)	1:159:A:ALA:HB2	1:156:A:ASP:HB3	2	0.39
(2,3588)	1:159:A:ALA:HB3	1:156:A:ASP:HB3	2	0.39
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	3	0.39
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	3	0.39
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	3	0.39
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	11	0.39
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	11	0.39
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	11	0.39
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	19	0.39
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	19	0.39
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	19	0.39
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	19	0.39
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	19	0.39
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	19	0.39
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	16	0.39
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	16	0.39
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	16	0.39
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	16	0.39
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	16	0.39
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	16	0.39
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	16	0.39
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	16	0.39
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	14	0.39
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	14	0.39
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	14	0.39
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB1	14	0.39
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB2	14	0.39
(2,3374)	1:147:A:VAL:HG21	1:111:A:ALA:HB3	14	0.39
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB1	14	0.39
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB2	14	0.39
(2,3374)	1:147:A:VAL:HG22	1:111:A:ALA:HB3	14	0.39
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB1	14	0.39
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB2	14	0.39
(2,3374)	1:147:A:VAL:HG23	1:111:A:ALA:HB3	14	0.39
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	11	0.39
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	11	0.39
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	11	0.39
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	10	0.39
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	10	0.39
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	10	0.39
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD11	3	0.39
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD12	3	0.39
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD13	3	0.39
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	17	0.39
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	19	0.39
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	16	0.39
(2,3082)	1:162:A:ARG:HG2	1:162:A:ARG:H	4	0.39
(2,3032)	1:126:A:LYS:HD3	1:138:A:LEU:HB2	5	0.39
(2,3029)	1:115:A:LYS:H	1:115:A:LYS:HD2	12	0.39
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	3	0.39
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	3	0.39
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	3	0.39
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	16	0.39
(2,2862)	1:98:A:PRO:HB3	1:97:A:VAL:HA	18	0.39
(2,2778)	1:55:A:PRO:HB3	1:27:A:ILE:HG12	13	0.39
(2,2778)	1:55:A:PRO:HB2	1:27:A:ILE:HG12	13	0.39
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	8	0.39
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	19	0.39
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	16	0.39
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	2	0.39
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	16	0.39
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	16	0.39
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	16	0.39
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	7	0.39
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	7	0.39
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	7	0.39
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	10	0.39
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	10	0.39
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	10	0.39
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	6	0.39
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	20	0.39
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	3	0.39
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	3	0.39
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	6	0.39
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	6	0.39
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	13	0.39
(2,2049)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	6	0.39
(2,2049)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	8	0.39
(2,2049)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	14	0.39
(2,2028)	1:149:A:VAL:HG21	1:98:A:PRO:HD2	8	0.39
(2,2028)	1:149:A:VAL:HG22	1:98:A:PRO:HD2	8	0.39
(2,2028)	1:149:A:VAL:HG23	1:98:A:PRO:HD2	8	0.39
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	10	0.39
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	12	0.39
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	14	0.39
(2,1974)	1:31:A:ARG:HB2	1:32:A:ASP:HA	15	0.39
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	5	0.39
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	6	0.39
(2,1746)	1:73:A:VAL:H	1:72:A:ARG:HA	19	0.39
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	7	0.39
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	7	0.39
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	7	0.39
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	11	0.39
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	11	0.39
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	11	0.39
(2,1650)	1:97:A:VAL:HG21	1:135:A:SER:HA	18	0.39
(2,1650)	1:97:A:VAL:HG22	1:135:A:SER:HA	18	0.39
(2,1650)	1:97:A:VAL:HG23	1:135:A:SER:HA	18	0.39
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	10	0.39
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	7	0.39
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	7	0.39
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	7	0.39
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	7	0.39
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	7	0.39
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	15	0.39
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	15	0.39
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	15	0.39
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	18	0.39
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	18	0.39
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	18	0.39
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	16	0.39
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	11	0.39
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	11	0.39
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	11	0.39
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	17	0.39
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	17	0.39
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	17	0.39
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	19	0.39
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	19	0.39
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	19	0.39
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	16	0.39
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	3	0.39
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	3	0.39
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	7	0.39
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	20	0.39
(2,1018)	1:139:A:GLU:H	1:139:A:GLU:HG2	9	0.39
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	4	0.39
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	4	0.39
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	11	0.39
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	11	0.39
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	11	0.39
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	9	0.39
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	3	0.39
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	3	0.39
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	3	0.39
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	20	0.39
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	12	0.39
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	5	0.39
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	13	0.39
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	19	0.39
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	19	0.39
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	19	0.39
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	18	0.39
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	1	0.39
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	2	0.39
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	17	0.39
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	18	0.39
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	14	0.39
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	1	0.39
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	13	0.39
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	15	0.39
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	5	0.39
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	17	0.39
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	1	0.39
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	15	0.39
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	15	0.39
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	15	0.39
(1,304)	1:33:A:PRO:HB2	1:32:A:ASP:HA	2	0.39
(1,151)	1:45:A:LYS:HA	1:52:A:PRO:HB2	18	0.39
(1,140)	1:60:A:GLU:H	1:59:A:GLU:HA	6	0.39
(4,5)	1:80:A:ARG:H	1:77:A:LEU:HA	10	0.38
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	7	0.38
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	7	0.38
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	7	0.38
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE1	18	0.38
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE2	18	0.38
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	15	0.38
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	15	0.38
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	15	0.38
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	16	0.38
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	16	0.38
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	16	0.38
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	5	0.38
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	5	0.38
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	5	0.38
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	20	0.38
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	20	0.38
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	20	0.38
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	6	0.38
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	6	0.38
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	6	0.38
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	13	0.38
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	13	0.38
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	15	0.38
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	15	0.38
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	15	0.38
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	15	0.38
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	15	0.38
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	15	0.38
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	15	0.38
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	15	0.38
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	15	0.38
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	16	0.38
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	16	0.38
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	16	0.38
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	17	0.38
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	17	0.38
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	17	0.38
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	17	0.38
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	17	0.38
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	17	0.38
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	2	0.38
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	2	0.38
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	2	0.38
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	1	0.38
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	1	0.38
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	1	0.38
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	1	0.38
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	1	0.38
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	1	0.38
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	1	0.38
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	1	0.38
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	1	0.38
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	9	0.38
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	9	0.38
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	9	0.38
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	9	0.38
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	9	0.38
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	9	0.38
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	9	0.38
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	9	0.38
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	9	0.38
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	9	0.38
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	9	0.38
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	9	0.38
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	9	0.38
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	9	0.38
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	9	0.38
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	9	0.38
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	9	0.38
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	14	0.38
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	14	0.38
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	14	0.38
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	14	0.38
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	14	0.38
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	14	0.38
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	14	0.38
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	14	0.38
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	14	0.38
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG21	18	0.38
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG22	18	0.38
(2,3359)	1:85:A:LYS:H	1:84:A:VAL:HG23	18	0.38
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	14	0.38
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	14	0.38
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	14	0.38
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	4	0.38
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	4	0.38
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	4	0.38
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	4	0.38
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	4	0.38
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	4	0.38
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	4	0.38
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	4	0.38
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	4	0.38
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	6	0.38
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	6	0.38
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	6	0.38
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	6	0.38
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	6	0.38
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	6	0.38
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	6	0.38
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	6	0.38
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	6	0.38
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	1	0.38
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	1	0.38
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	2	0.38
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	8	0.38
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	10	0.38
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	13	0.38
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	8	0.38
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	19	0.38
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	2	0.38
(2,2985)	1:123:A:VAL:HG21	1:124:A:GLU:HB2	4	0.38
(2,2985)	1:123:A:VAL:HG22	1:124:A:GLU:HB2	4	0.38
(2,2985)	1:123:A:VAL:HG23	1:124:A:GLU:HB2	4	0.38
(2,2940)	1:167:A:ARG:H	1:167:A:ARG:HB2	7	0.38
(2,2940)	1:167:A:ARG:H	1:167:A:ARG:HB2	11	0.38
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	8	0.38
(2,2789)	1:67:A:VAL:H	1:67:A:VAL:HB	11	0.38
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	6	0.38
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	10	0.38
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	10	0.38
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	10	0.38
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	12	0.38
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	12	0.38
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	12	0.38
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD11	18	0.38
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD12	18	0.38
(2,2601)	1:142:A:LYS:HB2	1:141:A:LEU:HD13	18	0.38
(2,2571)	1:158:A:GLU:HA	1:158:A:GLU:HG2	9	0.38
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	17	0.38
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	1	0.38
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG21	14	0.38
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG22	14	0.38
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG23	14	0.38
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	1	0.38
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	1	0.38
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	2	0.38
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	8	0.38
(2,1995)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	19	0.38
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	1	0.38
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	17	0.38
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB1	8	0.38
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB2	8	0.38
(2,1939)	1:62:A:ALA:HA	1:62:A:ALA:HB3	8	0.38
(2,1897)	1:143:A:ALA:HA	1:85:A:LYS:HG2	16	0.38
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	11	0.38
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	3	0.38
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	3	0.38
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	3	0.38
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	16	0.38
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	15	0.38
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	19	0.38
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	9	0.38
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	2	0.38
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	5	0.38
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	8	0.38
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	8	0.38
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	8	0.38
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	8	0.38
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	7	0.38
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	7	0.38
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	7	0.38
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	16	0.38
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	16	0.38
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	16	0.38
(2,1161)	1:49:A:MET:H	1:49:A:MET:HG2	17	0.38
(2,832)	1:105:A:THR:H	1:108:A:ARG:HD3	17	0.38
(2,831)	1:104:A:ARG:HD3	1:105:A:THR:H	8	0.38
(2,831)	1:104:A:ARG:HD3	1:105:A:THR:H	13	0.38
(2,800)	1:67:A:VAL:H	1:67:A:VAL:HB	7	0.38
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	1	0.38
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	16	0.38
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	5	0.38
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	6	0.38
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	7	0.38
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	4	0.38
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	18	0.38
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	11	0.38
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	16	0.38
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	6	0.38
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	16	0.38
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	3	0.38
(2,451)	1:58:A:GLU:HG2	1:60:A:GLU:H	4	0.38
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	9	0.38
(2,377)	1:75:A:GLN:H	1:75:A:GLN:HB2	4	0.38
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	11	0.38
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	14	0.38
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	17	0.38
(2,265)	1:21:A:LEU:H	1:22:A:LYS:H	5	0.38
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	3	0.38
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	13	0.38
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	14	0.38
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	11	0.38
(2,97)	1:89:A:LEU:H	1:88:A:ARG:HG2	14	0.38
(2,2)	1:129:A:ALA:H	1:137:A:ILE:H	14	0.38
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB1	5	0.38
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB2	5	0.38
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB3	5	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	3	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	3	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	3	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	5	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	5	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	5	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	9	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	9	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	9	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	12	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	12	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	12	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	20	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	20	0.38
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	20	0.38
(1,382)	1:56:A:VAL:HG11	1:31:A:ARG:HD3	4	0.38
(1,382)	1:56:A:VAL:HG12	1:31:A:ARG:HD3	4	0.38
(1,382)	1:56:A:VAL:HG13	1:31:A:ARG:HD3	4	0.38
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	13	0.38
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	13	0.38
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	7	0.37
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	1	0.37
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	3	0.37
(3,119)	1:46:A:SER:H	1:52:A:PRO:HB2	18	0.37
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	15	0.37
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	2	0.37
(3,50)	1:32:A:ASP:HB2	1:35:A:VAL:HB	18	0.37
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD2	10	0.37
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD3	10	0.37
(3,44)	1:39:A:ARG:HG3	1:31:A:ARG:HD3	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	8	0.37
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	8	0.37
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	8	0.37
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	14	0.37
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	14	0.37
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	14	0.37
(2,3610)	1:143:A:ALA:HB1	1:83:A:GLU:HA	19	0.37
(2,3610)	1:143:A:ALA:HB2	1:83:A:GLU:HA	19	0.37
(2,3610)	1:143:A:ALA:HB3	1:83:A:GLU:HA	19	0.37
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	8	0.37
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	8	0.37
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	8	0.37
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	15	0.37
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	15	0.37
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	15	0.37
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	11	0.37
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	11	0.37
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	11	0.37
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	19	0.37
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	19	0.37
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	19	0.37
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	19	0.37
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	19	0.37
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	19	0.37
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	19	0.37
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	19	0.37
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	19	0.37
(2,3442)	1:123:A:VAL:HG11	1:110:A:ILE:HG13	13	0.37
(2,3442)	1:123:A:VAL:HG12	1:110:A:ILE:HG13	13	0.37
(2,3442)	1:123:A:VAL:HG13	1:110:A:ILE:HG13	13	0.37
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	1	0.37
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	1	0.37
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	1	0.37
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	15	0.37
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	15	0.37
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	15	0.37
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD11	19	0.37
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD12	19	0.37
(2,3323)	1:109:A:THR:HG21	1:137:A:ILE:HD13	19	0.37
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD11	19	0.37
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD12	19	0.37
(2,3323)	1:109:A:THR:HG22	1:137:A:ILE:HD13	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD11	19	0.37
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD12	19	0.37
(2,3323)	1:109:A:THR:HG23	1:137:A:ILE:HD13	19	0.37
(2,3319)	1:109:A:THR:HG21	1:104:A:ARG:HD2	17	0.37
(2,3319)	1:109:A:THR:HG22	1:104:A:ARG:HD2	17	0.37
(2,3319)	1:109:A:THR:HG23	1:104:A:ARG:HD2	17	0.37
(2,3319)	1:109:A:THR:HG21	1:104:A:ARG:HD3	17	0.37
(2,3319)	1:109:A:THR:HG22	1:104:A:ARG:HD3	17	0.37
(2,3319)	1:109:A:THR:HG23	1:104:A:ARG:HD3	17	0.37
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	17	0.37
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	17	0.37
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	17	0.37
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	9	0.37
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	1	0.37
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	7	0.37
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	15	0.37
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	2	0.37
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	2	0.37
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	3	0.37
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	3	0.37
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	4	0.37
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	4	0.37
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	6	0.37
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	6	0.37
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	8	0.37
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	8	0.37
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	20	0.37
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	20	0.37
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	13	0.37
(2,2985)	1:123:A:VAL:HG21	1:124:A:GLU:HB2	14	0.37
(2,2985)	1:123:A:VAL:HG22	1:124:A:GLU:HB2	14	0.37
(2,2985)	1:123:A:VAL:HG23	1:124:A:GLU:HB2	14	0.37
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	4	0.37
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	4	0.37
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	4	0.37
(2,2734)	1:101:A:ALA:HB1	1:97:A:VAL:HB	19	0.37
(2,2734)	1:101:A:ALA:HB2	1:97:A:VAL:HB	19	0.37
(2,2734)	1:101:A:ALA:HB3	1:97:A:VAL:HB	19	0.37
(2,2734)	1:101:A:ALA:HB1	1:97:A:VAL:HB	20	0.37
(2,2734)	1:101:A:ALA:HB2	1:97:A:VAL:HB	20	0.37
(2,2734)	1:101:A:ALA:HB3	1:97:A:VAL:HB	20	0.37
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	2	0.37
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	2	0.37
(2,2700)	1:35:A:VAL:HG21	1:34:A:MET:HB2	3	0.37
(2,2700)	1:35:A:VAL:HG22	1:34:A:MET:HB2	3	0.37
(2,2700)	1:35:A:VAL:HG23	1:34:A:MET:HB2	3	0.37
(2,2685)	1:102:A:LEU:HB3	1:147:A:VAL:HB	4	0.37
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	9	0.37
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	9	0.37
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	9	0.37
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	5	0.37
(2,2460)	1:77:A:LEU:H	1:76:A:ASN:HB3	10	0.37
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	1	0.37
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	1	0.37
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	1	0.37
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	6	0.37
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	18	0.37
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD3	12	0.37
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD2	12	0.37
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD3	14	0.37
(2,2260)	1:88:A:ARG:HB3	1:88:A:ARG:HD2	14	0.37
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	11	0.37
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	11	0.37
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	6	0.37
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	15	0.37
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	16	0.37
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	16	0.37
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	16	0.37
(2,2140)	1:72:A:ARG:HG2	1:71:A:GLY:HA3	19	0.37
(2,2140)	1:72:A:ARG:HG3	1:71:A:GLY:HA2	19	0.37
(2,2120)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	13	0.37
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	4	0.37
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	20	0.37
(2,1931)	1:141:A:LEU:HA	1:141:A:LEU:HG	13	0.37
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	4	0.37
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	1	0.37
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	16	0.37
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	12	0.37
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	12	0.37
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	12	0.37
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	12	0.37
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	20	0.37
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	14	0.37
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	12	0.37
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	12	0.37
(2,1650)	1:97:A:VAL:HG21	1:135:A:SER:HA	20	0.37
(2,1650)	1:97:A:VAL:HG22	1:135:A:SER:HA	20	0.37
(2,1650)	1:97:A:VAL:HG23	1:135:A:SER:HA	20	0.37
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	13	0.37
(2,1531)	1:138:A:LEU:HD21	1:130:A:THR:HA	4	0.37
(2,1531)	1:138:A:LEU:HD22	1:130:A:THR:HA	4	0.37
(2,1531)	1:138:A:LEU:HD23	1:130:A:THR:HA	4	0.37
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	13	0.37
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	13	0.37
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	13	0.37
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	4	0.37
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	4	0.37
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	4	0.37
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	6	0.37
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	6	0.37
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	20	0.37
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	14	0.37
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	4	0.37
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	4	0.37
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	1	0.37
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	2	0.37
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	2	0.37
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	2	0.37
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	11	0.37
(2,899)	1:75:A:GLN:H	1:74:A:THR:H	12	0.37
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	15	0.37
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	15	0.37
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	15	0.37
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	18	0.37
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	2	0.37
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	10	0.37
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	11	0.37
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	17	0.37
(2,705)	1:168:A:MET:H	1:167:A:ARG:H	18	0.37
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	18	0.37
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	10	0.37
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	20	0.37
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	20	0.37
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	19	0.37
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	4	0.37
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	5	0.37
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	9	0.37
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	6	0.37
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	6	0.37
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	6	0.37
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	17	0.37
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	4	0.37
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	19	0.37
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	8	0.37
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	12	0.37
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	6	0.37
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	6	0.37
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	6	0.37
(2,333)	1:63:A:ASP:HB2	1:66:A:ALA:H	11	0.37
(2,325)	1:63:A:ASP:HB3	1:69:A:ILE:H	3	0.37
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	3	0.37
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	6	0.37
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	10	0.37
(2,222)	1:137:A:ILE:H	1:94:A:ARG:HB3	7	0.37
(2,143)	1:93:A:GLU:H	1:92:A:THR:HB	1	0.37
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	16	0.37
(1,140)	1:60:A:GLU:H	1:59:A:GLU:HA	13	0.37
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE1	12	0.37
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE2	12	0.37
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	14	0.36
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	8	0.36
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	8	0.36
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	8	0.36
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	2	0.36
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	10	0.36
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG3	4	0.36
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG2	4	0.36
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	9	0.36
(3,18)	1:39:A:ARG:HD2	1:29:A:TYR:HE1	11	0.36
(3,18)	1:39:A:ARG:HD2	1:29:A:TYR:HE2	11	0.36
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE1	9	0.36
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE2	9	0.36
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	13	0.36
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	13	0.36
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3640)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	2	0.36
(2,3640)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	2	0.36
(2,3640)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	2	0.36
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	3	0.36
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	3	0.36
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	3	0.36
(2,3621)	1:69:A:ILE:HG12	1:69:A:ILE:HG21	19	0.36
(2,3621)	1:69:A:ILE:HG12	1:69:A:ILE:HG22	19	0.36
(2,3621)	1:69:A:ILE:HG12	1:69:A:ILE:HG23	19	0.36
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	9	0.36
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	9	0.36
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	9	0.36
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	10	0.36
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	10	0.36
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	10	0.36
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	13	0.36
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	13	0.36
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	13	0.36
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	19	0.36
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	19	0.36
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	19	0.36
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	11	0.36
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	11	0.36
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	11	0.36
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	18	0.36
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	18	0.36
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	18	0.36
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	10	0.36
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	10	0.36
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	10	0.36
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	10	0.36
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	10	0.36
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	10	0.36
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	16	0.36
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	16	0.36
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	16	0.36
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	16	0.36
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	16	0.36
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	16	0.36
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	11	0.36
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	11	0.36
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	11	0.36
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	11	0.36
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	11	0.36
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	11	0.36
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	11	0.36
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	11	0.36
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	17	0.36
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	17	0.36
(2,3449)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	17	0.36
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	17	0.36
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	17	0.36
(2,3449)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	17	0.36
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	17	0.36
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	17	0.36
(2,3449)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	17	0.36
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	12	0.36
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	12	0.36
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	12	0.36
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	12	0.36
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	12	0.36
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	12	0.36
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	12	0.36
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	12	0.36
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	12	0.36
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	17	0.36
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	17	0.36
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	17	0.36
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	17	0.36
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	17	0.36
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	17	0.36
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	17	0.36
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	17	0.36
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	17	0.36
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	2	0.36
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	2	0.36
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	2	0.36
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	3	0.36
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	3	0.36
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	3	0.36
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	3	0.36
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	3	0.36
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	3	0.36
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	3	0.36
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	3	0.36
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	5	0.36
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	5	0.36
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	5	0.36
(2,3128)	1:68:A:ARG:HA	1:68:A:ARG:HG3	1	0.36
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	19	0.36
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	3	0.36
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	4	0.36
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	6	0.36
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	12	0.36
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	12	0.36
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	5	0.36
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	5	0.36
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	7	0.36
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	7	0.36
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	18	0.36
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	18	0.36
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	19	0.36
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	19	0.36
(2,3028)	1:126:A:LYS:H	1:126:A:LYS:HD3	4	0.36
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	1	0.36
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	19	0.36
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	12	0.36
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	18	0.36
(2,2911)	1:84:A:VAL:HB	1:145:A:GLN:H	18	0.36
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	1	0.36
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	4	0.36
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	15	0.36
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	7	0.36
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	8	0.36
(2,2542)	1:58:A:GLU:HG2	1:60:A:GLU:H	4	0.36
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	9	0.36
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	10	0.36
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	11	0.36
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	8	0.36
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	3	0.36
(2,2452)	1:61:A:ASN:HB2	1:63:A:ASP:H	1	0.36
(2,2420)	1:179:A:PHE:H	1:179:A:PHE:HB3	12	0.36
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	6	0.36
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	6	0.36
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	1	0.36
(2,2275)	1:104:A:ARG:HA	1:104:A:ARG:HD3	13	0.36
(2,2275)	1:104:A:ARG:HA	1:104:A:ARG:HD2	13	0.36
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	2	0.36
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	2	0.36
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	13	0.36
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	13	0.36
(2,2203)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	10	0.36
(2,2203)	1:121:A:ASP:HB3	1:122:A:PRO:HD2	10	0.36
(2,2203)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	14	0.36
(2,2203)	1:121:A:ASP:HB3	1:122:A:PRO:HD2	14	0.36
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	8	0.36
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	12	0.36
(2,2106)	1:24:A:GLY:HA3	1:24:A:GLY:H	11	0.36
(2,2098)	1:175:A:LEU:H	1:174:A:GLY:HA2	3	0.36
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	15	0.36
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	2	0.36
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	2	0.36
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	2	0.36
(2,1915)	1:123:A:VAL:HG11	1:112:A:MET:HA	8	0.36
(2,1915)	1:123:A:VAL:HG12	1:112:A:MET:HA	8	0.36
(2,1915)	1:123:A:VAL:HG13	1:112:A:MET:HA	8	0.36
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	15	0.36
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	4	0.36
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	14	0.36
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	14	0.36
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	14	0.36
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	7	0.36
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	17	0.36
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB1	14	0.36
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB2	14	0.36
(2,1683)	1:147:A:VAL:HA	1:101:A:ALA:HB3	14	0.36
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	3	0.36
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	4	0.36
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	6	0.36
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	13	0.36
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	19	0.36
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	4	0.36
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	6	0.36
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	20	0.36
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	17	0.36
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	17	0.36
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	9	0.36
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	11	0.36
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	11	0.36
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	11	0.36
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	1	0.36
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	1	0.36
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	1	0.36
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	7	0.36
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	9	0.36
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	13	0.36
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	13	0.36
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	13	0.36
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	4	0.36
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	4	0.36
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE1	6	0.36
(2,1170)	1:38:A:GLN:HE22	1:40:A:PHE:HE2	6	0.36
(2,1074)	1:141:A:LEU:H	1:141:A:LEU:HG	12	0.36
(2,1072)	1:137:A:ILE:HB	1:141:A:LEU:H	9	0.36
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	13	0.36
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	5	0.36
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	5	0.36
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	5	0.36
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	5	0.36
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	5	0.36
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	5	0.36
(2,1026)	1:126:A:LYS:HG3	1:139:A:GLU:H	12	0.36
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	2	0.36
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	2	0.36
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	2	0.36
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	15	0.36
(2,831)	1:104:A:ARG:HD3	1:105:A:THR:H	11	0.36
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	14	0.36
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	16	0.36
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	20	0.36
(2,640)	1:72:A:ARG:HG2	1:72:A:ARG:H	12	0.36
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	9	0.36
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	6	0.36
(2,603)	1:70:A:ASP:HB2	1:72:A:ARG:H	11	0.36
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	1	0.36
(2,549)	1:149:A:VAL:HG21	1:83:A:GLU:H	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,549)	1:149:A:VAL:HG22	1:83:A:GLU:H	8	0.36
(2,549)	1:149:A:VAL:HG23	1:83:A:GLU:H	8	0.36
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	18	0.36
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	18	0.36
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	18	0.36
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	1	0.36
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	7	0.36
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	14	0.36
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	20	0.36
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	6	0.36
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	20	0.36
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	20	0.36
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	11	0.36
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	20	0.36
(2,32)	1:127:A:ALA:H	1:138:A:LEU:HB2	4	0.36
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	9	0.36
(1,601)	1:49:A:MET:H	1:49:A:MET:HG3	11	0.36
(1,546)	1:61:A:ASN:H	1:58:A:GLU:HG3	16	0.36
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	4	0.36
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB1	20	0.36
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB2	20	0.36
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB3	20	0.36
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	11	0.36
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	11	0.36
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	11	0.36
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE1	17	0.36
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE2	17	0.36
(4,102)	1:29:A:TYR:HB2	1:31:A:ARG:H	2	0.35
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	11	0.35
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	19	0.35
(3,117)	1:62:A:ALA:HB1	1:60:A:GLU:H	11	0.35
(3,117)	1:62:A:ALA:HB2	1:60:A:GLU:H	11	0.35
(3,117)	1:62:A:ALA:HB3	1:60:A:GLU:H	11	0.35
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	8	0.35
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	8	0.35
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	8	0.35
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	8	0.35
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	8	0.35
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	8	0.35
(3,43)	1:24:A:GLY:HA3	1:25:A:LYS:HD3	16	0.35
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	16	0.35
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD1	9	0.35
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD2	9	0.35
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD1	9	0.35
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD2	9	0.35
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD11	5	0.35
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD12	5	0.35
(2,3661)	1:129:A:ALA:H	1:137:A:ILE:HD13	5	0.35
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	3	0.35
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	3	0.35
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	3	0.35
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	8	0.35
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	8	0.35
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	8	0.35
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	6	0.35
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	6	0.35
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	6	0.35
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE1	16	0.35
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE2	16	0.35
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE3	16	0.35
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	1	0.35
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	1	0.35
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	1	0.35
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	19	0.35
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	19	0.35
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	19	0.35
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	18	0.35
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	18	0.35
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	18	0.35
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	5	0.35
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	5	0.35
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	5	0.35
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	13	0.35
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	13	0.35
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	13	0.35
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	5	0.35
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	5	0.35
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	5	0.35
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	5	0.35
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	5	0.35
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	5	0.35
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	5	0.35
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	5	0.35
(2,3151)	1:39:A:ARG:HG2	1:29:A:TYR:HE1	1	0.35
(2,3151)	1:39:A:ARG:HG2	1:29:A:TYR:HE2	1	0.35
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	18	0.35
(2,3122)	1:94:A:ARG:HG2	1:94:A:ARG:HA	5	0.35
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	7	0.35
(2,3113)	1:26:A:ARG:HG3	1:25:A:LYS:H	16	0.35
(2,3112)	1:108:A:ARG:H	1:108:A:ARG:HG2	2	0.35
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	11	0.35
(2,3087)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	13	0.35
(2,3087)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	13	0.35
(2,3082)	1:162:A:ARG:HG2	1:162:A:ARG:H	1	0.35
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	11	0.35
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	3	0.35
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	6	0.35
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	7	0.35
(2,2935)	1:68:A:ARG:HB2	1:68:A:ARG:HG2	1	0.35
(2,2929)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	15	0.35
(2,2929)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	15	0.35
(2,2929)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	15	0.35
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	3	0.35
(2,2771)	1:68:A:ARG:H	1:67:A:VAL:HB	9	0.35
(2,2771)	1:68:A:ARG:H	1:67:A:VAL:HB	15	0.35
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	4	0.35
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	4	0.35
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	4	0.35
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	13	0.35
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	5	0.35
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	5	0.35
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	5	0.35
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	9	0.35
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	9	0.35
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	9	0.35
(2,2701)	1:138:A:LEU:H	1:139:A:GLU:HB2	2	0.35
(2,2658)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	4	0.35
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	4	0.35
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	12	0.35
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	15	0.35
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	15	0.35
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	15	0.35
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	4	0.35
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	12	0.35
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	7	0.35
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	14	0.35
(2,2275)	1:104:A:ARG:HA	1:104:A:ARG:HD3	5	0.35
(2,2275)	1:104:A:ARG:HA	1:104:A:ARG:HD2	5	0.35
(2,2275)	1:104:A:ARG:HA	1:104:A:ARG:HD3	11	0.35
(2,2275)	1:104:A:ARG:HA	1:104:A:ARG:HD2	11	0.35
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD11	2	0.35
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD12	2	0.35
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD13	2	0.35
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD11	5	0.35
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD12	5	0.35
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD13	5	0.35
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	9	0.35
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	9	0.35
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	9	0.35
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	5	0.35
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	9	0.35
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	6	0.35
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	16	0.35
(2,2106)	1:24:A:GLY:HA3	1:24:A:GLY:H	4	0.35
(2,2106)	1:24:A:GLY:HA3	1:24:A:GLY:H	15	0.35
(2,2106)	1:24:A:GLY:HA3	1:24:A:GLY:H	20	0.35
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	7	0.35
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	15	0.35
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	17	0.35
(2,2004)	1:35:A:VAL:HG11	1:36:A:PRO:HD2	20	0.35
(2,2004)	1:35:A:VAL:HG12	1:36:A:PRO:HD2	20	0.35
(2,2004)	1:35:A:VAL:HG13	1:36:A:PRO:HD2	20	0.35
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	9	0.35
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	11	0.35
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	17	0.35
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	5	0.35
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	7	0.35
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	3	0.35
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	12	0.35
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	19	0.35
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	11	0.35
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	11	0.35
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	11	0.35
(2,1529)	1:130:A:THR:HA	1:135:A:SER:HB3	18	0.35
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	19	0.35
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	19	0.35
(2,1430)	1:73:A:VAL:HA	1:74:A:THR:H	16	0.35
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	6	0.35
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	6	0.35
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	6	0.35
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	8	0.35
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	8	0.35
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	8	0.35
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	13	0.35
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	13	0.35
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	13	0.35
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	19	0.35
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	10	0.35
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	2	0.35
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	9	0.35
(2,816)	1:105:A:THR:H	1:109:A:THR:H	8	0.35
(2,771)	1:49:A:MET:HB2	1:50:A:ASP:H	8	0.35
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	4	0.35
(2,748)	1:127:A:ALA:H	1:109:A:THR:H	9	0.35
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	2	0.35
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	7	0.35
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	15	0.35
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	19	0.35
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	19	0.35
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	19	0.35
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	12	0.35
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	13	0.35
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	16	0.35
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	3	0.35
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	20	0.35
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	14	0.35
(2,421)	1:22:A:LYS:H	1:22:A:LYS:HB2	3	0.35
(2,421)	1:22:A:LYS:H	1:22:A:LYS:HB2	10	0.35
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	10	0.35
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	4	0.35
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	11	0.35
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	11	0.35
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG21	18	0.35
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG22	18	0.35
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG23	18	0.35
(1,530)	1:42:A:LYS:HB2	1:41:A:ASP:H	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	1	0.35
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	1	0.35
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	1	0.35
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	2	0.35
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	2	0.35
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	2	0.35
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	8	0.35
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	8	0.35
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	8	0.35
(1,238)	1:54:A:ILE:HB	1:33:A:PRO:HD2	7	0.35
(3,145)	1:39:A:ARG:HB3	1:30:A:TRP:H	7	0.34
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	13	0.34
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	13	0.34
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	13	0.34
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	13	0.34
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	13	0.34
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	13	0.34
(3,18)	1:39:A:ARG:HD2	1:29:A:TYR:HE1	6	0.34
(3,18)	1:39:A:ARG:HD2	1:29:A:TYR:HE2	6	0.34
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE1	7	0.34
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE2	7	0.34
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	6	0.34
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	6	0.34
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	6	0.34
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	18	0.34
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	18	0.34
(2,3562)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	18	0.34
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	10	0.34
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	10	0.34
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	10	0.34
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	5	0.34
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	5	0.34
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	5	0.34
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE1	2	0.34
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE2	2	0.34
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE3	2	0.34
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	20	0.34
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	20	0.34
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	20	0.34
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	9	0.34
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	9	0.34
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	9	0.34
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	9	0.34
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	9	0.34
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	9	0.34
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	9	0.34
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	9	0.34
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	14	0.34
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	14	0.34
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	14	0.34
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	14	0.34
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	14	0.34
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	14	0.34
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	14	0.34
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	14	0.34
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	14	0.34
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	8	0.34
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	8	0.34
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	8	0.34
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	7	0.34
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	7	0.34
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	7	0.34
(2,3303)	1:84:A:VAL:HG21	1:86:A:LEU:HA	18	0.34
(2,3303)	1:84:A:VAL:HG22	1:86:A:LEU:HA	18	0.34
(2,3303)	1:84:A:VAL:HG23	1:86:A:LEU:HA	18	0.34
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	13	0.34
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	13	0.34
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	13	0.34
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	13	0.34
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	13	0.34
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	13	0.34
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	13	0.34
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	13	0.34
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	13	0.34
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	15	0.34
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	15	0.34
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	15	0.34
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	15	0.34
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	15	0.34
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	15	0.34
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	15	0.34
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	15	0.34
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	9	0.34
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	9	0.34
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	9	0.34
(2,3129)	1:87:A:GLY:H	1:86:A:LEU:HG	17	0.34
(2,3122)	1:94:A:ARG:HG2	1:94:A:ARG:HA	14	0.34
(2,3122)	1:94:A:ARG:HG2	1:94:A:ARG:HA	20	0.34
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	19	0.34
(2,3096)	1:68:A:ARG:H	1:68:A:ARG:HG3	2	0.34
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	1	0.34
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	5	0.34
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	9	0.34
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	16	0.34
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	17	0.34
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	18	0.34
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	19	0.34
(2,2985)	1:123:A:VAL:HG21	1:124:A:GLU:HB2	9	0.34
(2,2985)	1:123:A:VAL:HG22	1:124:A:GLU:HB2	9	0.34
(2,2985)	1:123:A:VAL:HG23	1:124:A:GLU:HB2	9	0.34
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	15	0.34
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	20	0.34
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	2	0.34
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	4	0.34
(2,2789)	1:67:A:VAL:H	1:67:A:VAL:HB	7	0.34
(2,2771)	1:68:A:ARG:H	1:67:A:VAL:HB	4	0.34
(2,2734)	1:101:A:ALA:HB1	1:97:A:VAL:HB	16	0.34
(2,2734)	1:101:A:ALA:HB2	1:97:A:VAL:HB	16	0.34
(2,2734)	1:101:A:ALA:HB3	1:97:A:VAL:HB	16	0.34
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	15	0.34
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	15	0.34
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	15	0.34
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	15	0.34
(2,2276)	1:109:A:THR:HG21	1:104:A:ARG:HD2	17	0.34
(2,2276)	1:109:A:THR:HG22	1:104:A:ARG:HD2	17	0.34
(2,2276)	1:109:A:THR:HG23	1:104:A:ARG:HD2	17	0.34
(2,2276)	1:109:A:THR:HG21	1:104:A:ARG:HD3	17	0.34
(2,2276)	1:109:A:THR:HG22	1:104:A:ARG:HD3	17	0.34
(2,2276)	1:109:A:THR:HG23	1:104:A:ARG:HD3	17	0.34
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	15	0.34
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	15	0.34
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	18	0.34
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	18	0.34
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	6	0.34
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	6	0.34
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	6	0.34
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	11	0.34
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	14	0.34
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	6	0.34
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	17	0.34
(2,2004)	1:35:A:VAL:HG11	1:36:A:PRO:HD2	5	0.34
(2,2004)	1:35:A:VAL:HG12	1:36:A:PRO:HD2	5	0.34
(2,2004)	1:35:A:VAL:HG13	1:36:A:PRO:HD2	5	0.34
(2,1987)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	6	0.34
(2,1987)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	7	0.34
(2,1987)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	12	0.34
(2,1987)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	14	0.34
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	18	0.34
(2,1943)	1:27:A:ILE:HB	1:62:A:ALA:HA	18	0.34
(2,1881)	1:52:A:PRO:HD2	1:51:A:MET:HA	2	0.34
(2,1881)	1:52:A:PRO:HD2	1:51:A:MET:HA	6	0.34
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	2	0.34
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	18	0.34
(2,1762)	1:75:A:GLN:HA	1:76:A:ASN:H	6	0.34
(2,1746)	1:73:A:VAL:H	1:72:A:ARG:HA	5	0.34
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	1	0.34
(2,1623)	1:55:A:PRO:HB3	1:30:A:TRP:HA	18	0.34
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	4	0.34
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	4	0.34
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	4	0.34
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	8	0.34
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	8	0.34
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	8	0.34
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	4	0.34
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	4	0.34
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	4	0.34
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	4	0.34
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	4	0.34
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	4	0.34
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	6	0.34
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	1	0.34
(2,1428)	1:73:A:VAL:HA	1:74:A:THR:HG21	12	0.34
(2,1428)	1:73:A:VAL:HA	1:74:A:THR:HG22	12	0.34
(2,1428)	1:73:A:VAL:HA	1:74:A:THR:HG23	12	0.34
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	8	0.34
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	8	0.34
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	10	0.34
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	10	0.34
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	10	0.34
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	8	0.34
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	8	0.34
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	8	0.34
(2,1262)	1:119:A:GLY:H	1:117:A:GLU:HB3	8	0.34
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	15	0.34
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	18	0.34
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	18	0.34
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	18	0.34
(2,1215)	1:140:A:GLY:H	1:141:A:LEU:HA	18	0.34
(2,1175)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	4	0.34
(2,1162)	1:48:A:TYR:HB3	1:49:A:MET:H	15	0.34
(2,1145)	1:97:A:VAL:H	1:98:A:PRO:HD3	4	0.34
(2,1077)	1:84:A:VAL:HG11	1:141:A:LEU:H	1	0.34
(2,1077)	1:84:A:VAL:HG12	1:141:A:LEU:H	1	0.34
(2,1077)	1:84:A:VAL:HG13	1:141:A:LEU:H	1	0.34
(2,1074)	1:141:A:LEU:H	1:141:A:LEU:HG	18	0.34
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	18	0.34
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	18	0.34
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	18	0.34
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	18	0.34
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	18	0.34
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	18	0.34
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	12	0.34
(2,697)	1:19:A:ALA:HB1	1:20:A:GLU:H	1	0.34
(2,697)	1:19:A:ALA:HB2	1:20:A:GLU:H	1	0.34
(2,697)	1:19:A:ALA:HB3	1:20:A:GLU:H	1	0.34
(2,697)	1:19:A:ALA:HB1	1:20:A:GLU:H	20	0.34
(2,697)	1:19:A:ALA:HB2	1:20:A:GLU:H	20	0.34
(2,697)	1:19:A:ALA:HB3	1:20:A:GLU:H	20	0.34
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	9	0.34
(2,640)	1:72:A:ARG:HG2	1:72:A:ARG:H	9	0.34
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	5	0.34
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	16	0.34
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	3	0.34
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	12	0.34
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	19	0.34
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	18	0.34
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	20	0.34
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	20	0.34
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	15	0.34
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	13	0.34
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	13	0.34
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	13	0.34
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	7	0.34
(2,222)	1:137:A:ILE:H	1:94:A:ARG:HB3	14	0.34
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	3	0.34
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	4	0.34
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	1	0.34
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	3	0.34
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	4	0.34
(1,519)	1:35:A:VAL:H	1:34:A:MET:HB2	3	0.34
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	7	0.34
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	7	0.34
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	7	0.34
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	19	0.34
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	19	0.34
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	19	0.34
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	7	0.34
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	7	0.34
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	7	0.34
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	13	0.34
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	13	0.34
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	13	0.34
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	17	0.34
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	17	0.34
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	17	0.34
(1,357)	1:53:A:LEU:HD11	1:47:A:PRO:HD2	9	0.34
(1,357)	1:53:A:LEU:HD12	1:47:A:PRO:HD2	9	0.34
(1,357)	1:53:A:LEU:HD13	1:47:A:PRO:HD2	9	0.34
(1,140)	1:60:A:GLU:H	1:59:A:GLU:HA	9	0.34
(1,140)	1:60:A:GLU:H	1:59:A:GLU:HA	14	0.34
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	16	0.34
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	1	0.34
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	1	0.34
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	15	0.34
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	15	0.34
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	2	0.33
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	2	0.33
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	2	0.33
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	2	0.33
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	6	0.33
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	6	0.33
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	6	0.33
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB1	16	0.33
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB2	16	0.33
(3,91)	1:58:A:GLU:HB3	1:62:A:ALA:HB3	16	0.33
(2,3588)	1:159:A:ALA:HB1	1:156:A:ASP:HB2	10	0.33
(2,3588)	1:159:A:ALA:HB2	1:156:A:ASP:HB2	10	0.33
(2,3588)	1:159:A:ALA:HB3	1:156:A:ASP:HB2	10	0.33
(2,3588)	1:159:A:ALA:HB1	1:156:A:ASP:HB3	10	0.33
(2,3588)	1:159:A:ALA:HB2	1:156:A:ASP:HB3	10	0.33
(2,3588)	1:159:A:ALA:HB3	1:156:A:ASP:HB3	10	0.33
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	8	0.33
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	8	0.33
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	8	0.33
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	14	0.33
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	14	0.33
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	14	0.33
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	16	0.33
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	16	0.33
(2,3560)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	16	0.33
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	13	0.33
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	13	0.33
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	13	0.33
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	17	0.33
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	17	0.33
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	17	0.33
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	3	0.33
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	3	0.33
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	3	0.33
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE1	4	0.33
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE2	4	0.33
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE3	4	0.33
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	3	0.33
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	3	0.33
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	3	0.33
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	5	0.33
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	5	0.33
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	9	0.33
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	9	0.33
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	9	0.33
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	9	0.33
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	9	0.33
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	9	0.33
(2,3448)	1:127:A:ALA:HB1	1:135:A:SER:HB2	13	0.33
(2,3448)	1:127:A:ALA:HB2	1:135:A:SER:HB2	13	0.33
(2,3448)	1:127:A:ALA:HB3	1:135:A:SER:HB2	13	0.33
(2,3448)	1:127:A:ALA:HB1	1:135:A:SER:HB2	15	0.33
(2,3448)	1:127:A:ALA:HB2	1:135:A:SER:HB2	15	0.33
(2,3448)	1:127:A:ALA:HB3	1:135:A:SER:HB2	15	0.33
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	2	0.33
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	2	0.33
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	2	0.33
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	1	0.33
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	1	0.33
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	1	0.33
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	15	0.33
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	15	0.33
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	15	0.33
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	8	0.33
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	8	0.33
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	8	0.33
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	5	0.33
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	5	0.33
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	5	0.33
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	20	0.33
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	20	0.33
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	20	0.33
(2,3226)	1:86:A:LEU:H	1:86:A:LEU:HD11	6	0.33
(2,3226)	1:86:A:LEU:H	1:86:A:LEU:HD12	6	0.33
(2,3226)	1:86:A:LEU:H	1:86:A:LEU:HD13	6	0.33
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	18	0.33
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	18	0.33
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	18	0.33
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	18	0.33
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	18	0.33
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	18	0.33
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	18	0.33
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	18	0.33
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	1	0.33
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	15	0.33
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	9	0.33
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	4	0.33
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	2	0.33
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	5	0.33
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	9	0.33
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	2	0.33
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	9	0.33
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	8	0.33
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	8	0.33
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	8	0.33
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	8	0.33
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	8	0.33
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	8	0.33
(2,2734)	1:101:A:ALA:HB1	1:97:A:VAL:HB	18	0.33
(2,2734)	1:101:A:ALA:HB2	1:97:A:VAL:HB	18	0.33
(2,2734)	1:101:A:ALA:HB3	1:97:A:VAL:HB	18	0.33
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	3	0.33
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	3	0.33
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	3	0.33
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	6	0.33
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	6	0.33
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	6	0.33
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	8	0.33
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	4	0.33
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	13	0.33
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	8	0.33
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	11	0.33
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	10	0.33
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	10	0.33
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	10	0.33
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	14	0.33
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	14	0.33
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	14	0.33
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	19	0.33
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	19	0.33
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	19	0.33
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	1	0.33
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	1	0.33
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	12	0.33
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	7	0.33
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	7	0.33
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	10	0.33
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	10	0.33
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	10	0.33
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	5	0.33
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	5	0.33
(2,2212)	1:113:A:VAL:HB	1:121:A:ASP:HB2	1	0.33
(2,2145)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	17	0.33
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	3	0.33
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	5	0.33
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	12	0.33
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	12	0.33
(2,1995)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	14	0.33
(2,1987)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	2	0.33
(2,1987)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	8	0.33
(2,1987)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	13	0.33
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	7	0.33
(2,1881)	1:52:A:PRO:HD2	1:51:A:MET:HA	12	0.33
(2,1881)	1:52:A:PRO:HD2	1:51:A:MET:HA	13	0.33
(2,1502)	1:172:A:THR:H	1:171:A:THR:HA	9	0.33
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	5	0.33
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	5	0.33
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	5	0.33
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	11	0.33
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	11	0.33
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	11	0.33
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	17	0.33
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	17	0.33
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	17	0.33
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	6	0.33
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	18	0.33
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	18	0.33
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	18	0.33
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	5	0.33
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	5	0.33
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	5	0.33
(2,1262)	1:119:A:GLY:H	1:117:A:GLU:HB3	17	0.33
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	14	0.33
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	1	0.33
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	14	0.33
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	16	0.33
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	16	0.33
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	18	0.33
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	18	0.33
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	18	0.33
(2,1175)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	18	0.33
(2,1132)	1:90:A:GLY:H	1:92:A:THR:H	5	0.33
(2,1124)	1:93:A:GLU:HB3	1:87:A:GLY:H	17	0.33
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	15	0.33
(2,987)	1:94:A:ARG:HB2	1:92:A:THR:H	2	0.33
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	1	0.33
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	11	0.33
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	11	0.33
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	11	0.33
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	10	0.33
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB1	1	0.33
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB2	1	0.33
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB3	1	0.33
(2,697)	1:19:A:ALA:HB1	1:20:A:GLU:H	10	0.33
(2,697)	1:19:A:ALA:HB2	1:20:A:GLU:H	10	0.33
(2,697)	1:19:A:ALA:HB3	1:20:A:GLU:H	10	0.33
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	5	0.33
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	7	0.33
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	7	0.33
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	7	0.33
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	1	0.33
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	8	0.33
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	8	0.33
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	8	0.33
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	8	0.33
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	9	0.33
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	13	0.33
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	9	0.33
(2,418)	1:75:A:GLN:H	1:75:A:GLN:HB3	13	0.33
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	9	0.33
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	16	0.33
(2,291)	1:115:A:LYS:H	1:119:A:GLY:HA2	8	0.33
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	13	0.33
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	1	0.33
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	12	0.33
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	12	0.33
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:49:A:MET:H	1:49:A:MET:HG3	9	0.33
(1,553)	1:50:A:ASP:HB2	1:50:A:ASP:H	2	0.33
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	14	0.33
(1,304)	1:33:A:PRO:HB2	1:32:A:ASP:HA	19	0.33
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	8	0.33
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	8	0.33
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	13	0.32
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	19	0.32
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG21	6	0.32
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG22	6	0.32
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG23	6	0.32
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG21	6	0.32
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG22	6	0.32
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG23	6	0.32
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG21	6	0.32
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG22	6	0.32
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG23	6	0.32
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG21	6	0.32
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG22	6	0.32
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG23	6	0.32
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG21	6	0.32
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG22	6	0.32
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG23	6	0.32
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG21	6	0.32
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG22	6	0.32
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG23	6	0.32
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	3	0.32
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	3	0.32
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	3	0.32
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE1	11	0.32
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE2	11	0.32
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE3	11	0.32
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	4	0.32
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	4	0.32
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	4	0.32
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	4	0.32
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	4	0.32
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	4	0.32
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	12	0.32
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	12	0.32
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	12	0.32
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	12	0.32
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	12	0.32
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	10	0.32
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	10	0.32
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	10	0.32
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	10	0.32
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	10	0.32
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	10	0.32
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	10	0.32
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	10	0.32
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	10	0.32
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	10	0.32
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	10	0.32
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	10	0.32
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	10	0.32
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	10	0.32
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	10	0.32
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	10	0.32
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	10	0.32
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	10	0.32
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	10	0.32
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	10	0.32
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	10	0.32
(2,3388)	1:34:A:MET:HE1	1:34:A:MET:HA	18	0.32
(2,3388)	1:34:A:MET:HE2	1:34:A:MET:HA	18	0.32
(2,3388)	1:34:A:MET:HE3	1:34:A:MET:HA	18	0.32
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	6	0.32
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	6	0.32
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	6	0.32
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	10	0.32
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	10	0.32
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	10	0.32
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	3	0.32
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	3	0.32
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	3	0.32
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	4	0.32
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	4	0.32
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	4	0.32
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	12	0.32
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	12	0.32
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	12	0.32
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	13	0.32
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	13	0.32
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	3	0.32
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	3	0.32
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	3	0.32
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	6	0.32
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	6	0.32
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	6	0.32
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	19	0.32
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	19	0.32
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	19	0.32
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	2	0.32
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	2	0.32
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	2	0.32
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	2	0.32
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	2	0.32
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	2	0.32
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	2	0.32
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	2	0.32
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	2	0.32
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	20	0.32
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	20	0.32
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	20	0.32
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	20	0.32
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	20	0.32
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	20	0.32
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	20	0.32
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	20	0.32
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	20	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	8	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	8	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	8	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	11	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	11	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	11	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	16	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	16	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	16	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	17	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	17	0.32
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	17	0.32
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	6	0.32
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	6	0.32
(2,3127)	1:69:A:ILE:HG21	1:72:A:ARG:HG2	12	0.32
(2,3127)	1:69:A:ILE:HG22	1:72:A:ARG:HG2	12	0.32
(2,3127)	1:69:A:ILE:HG23	1:72:A:ARG:HG2	12	0.32
(2,3113)	1:26:A:ARG:HG3	1:25:A:LYS:H	11	0.32
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	18	0.32
(2,3091)	1:89:A:LEU:HA	1:89:A:LEU:HG	20	0.32
(2,2982)	1:158:A:GLU:H	1:158:A:GLU:HB2	8	0.32
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	11	0.32
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	9	0.32
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	16	0.32
(2,2940)	1:167:A:ARG:H	1:167:A:ARG:HB2	13	0.32
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	17	0.32
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	5	0.32
(2,2712)	1:138:A:LEU:HD21	1:126:A:LYS:HB2	19	0.32
(2,2712)	1:138:A:LEU:HD22	1:126:A:LYS:HB2	19	0.32
(2,2712)	1:138:A:LEU:HD23	1:126:A:LYS:HB2	19	0.32
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG21	18	0.32
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG22	18	0.32
(2,2711)	1:126:A:LYS:HB2	1:125:A:VAL:HG23	18	0.32
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	14	0.32
(2,2636)	1:31:A:ARG:HB2	1:37:A:GLY:H	6	0.32
(2,2597)	1:142:A:LYS:HB2	1:145:A:GLN:HG2	12	0.32
(2,2557)	1:86:A:LEU:H	1:85:A:LYS:HB2	11	0.32
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	10	0.32
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	16	0.32
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	6	0.32
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	10	0.32
(2,2464)	1:27:A:ILE:HD11	1:61:A:ASN:HB3	12	0.32
(2,2464)	1:27:A:ILE:HD12	1:61:A:ASN:HB3	12	0.32
(2,2464)	1:27:A:ILE:HD13	1:61:A:ASN:HB3	12	0.32
(2,2460)	1:77:A:LEU:H	1:76:A:ASN:HB3	13	0.32
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	2	0.32
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	10	0.32
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	13	0.32
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	13	0.32
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	13	0.32
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	16	0.32
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	9	0.32
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	9	0.32
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	4	0.32
(2,2288)	1:39:A:ARG:HB2	1:39:A:ARG:HD3	8	0.32
(2,2288)	1:39:A:ARG:HB2	1:39:A:ARG:HD3	19	0.32
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	8	0.32
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	12	0.32
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	12	0.32
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	12	0.32
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	3	0.32
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	12	0.32
(2,2116)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	8	0.32
(2,2116)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	8	0.32
(2,2116)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	8	0.32
(2,2116)	1:67:A:VAL:HG11	1:64:A:GLY:HA2	8	0.32
(2,2116)	1:67:A:VAL:HG12	1:64:A:GLY:HA2	8	0.32
(2,2116)	1:67:A:VAL:HG13	1:64:A:GLY:HA2	8	0.32
(2,2116)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	8	0.32
(2,2116)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	8	0.32
(2,2116)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	8	0.32
(2,2116)	1:67:A:VAL:HG11	1:64:A:GLY:HA3	8	0.32
(2,2116)	1:67:A:VAL:HG12	1:64:A:GLY:HA3	8	0.32
(2,2116)	1:67:A:VAL:HG13	1:64:A:GLY:HA3	8	0.32
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	4	0.32
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	19	0.32
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	20	0.32
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	19	0.32
(2,2004)	1:35:A:VAL:HG11	1:36:A:PRO:HD2	14	0.32
(2,2004)	1:35:A:VAL:HG12	1:36:A:PRO:HD2	14	0.32
(2,2004)	1:35:A:VAL:HG13	1:36:A:PRO:HD2	14	0.32
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	5	0.32
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	16	0.32
(2,1926)	1:62:A:ALA:HA	1:63:A:ASP:HB3	5	0.32
(2,1881)	1:52:A:PRO:HD2	1:51:A:MET:HA	8	0.32
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	14	0.32
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	17	0.32
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	18	0.32
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	5	0.32
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	5	0.32
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	5	0.32
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	9	0.32
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	9	0.32
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	9	0.32
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB1	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB2	15	0.32
(2,1438)	1:67:A:VAL:HA	1:65:A:ALA:HB3	15	0.32
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	15	0.32
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	15	0.32
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	15	0.32
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	1	0.32
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	1	0.32
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	1	0.32
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	13	0.32
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	13	0.32
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	13	0.32
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	10	0.32
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	18	0.32
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	3	0.32
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	7	0.32
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	7	0.32
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	20	0.32
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	20	0.32
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	20	0.32
(2,981)	1:90:A:GLY:H	1:92:A:THR:H	15	0.32
(2,831)	1:104:A:ARG:HD3	1:105:A:THR:H	19	0.32
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	3	0.32
(2,726)	1:146:A:GLN:H	1:146:A:GLN:HG2	4	0.32
(2,690)	1:20:A:GLU:H	1:21:A:LEU:H	1	0.32
(2,687)	1:62:A:ALA:H	1:61:A:ASN:H	14	0.32
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	19	0.32
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	19	0.32
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	19	0.32
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	18	0.32
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	8	0.32
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	20	0.32
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	3	0.32
(2,509)	1:168:A:MET:H	1:167:A:ARG:HD3	4	0.32
(2,509)	1:168:A:MET:H	1:167:A:ARG:HD2	4	0.32
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	13	0.32
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	13	0.32
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	13	0.32
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	5	0.32
(2,446)	1:60:A:GLU:H	1:55:A:PRO:HB3	15	0.32
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	3	0.32
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	6	0.32
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	12	0.32
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	16	0.32
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	18	0.32
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	18	0.32
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	18	0.32
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	18	0.32
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	9	0.32
(1,601)	1:49:A:MET:H	1:49:A:MET:HG3	7	0.32
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	1	0.32
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB1	4	0.32
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB2	4	0.32
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB3	4	0.32
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	14	0.32
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	14	0.32
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	14	0.32
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	14	0.32
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	14	0.32
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	14	0.32
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	15	0.32
(1,140)	1:60:A:GLU:H	1:59:A:GLU:HA	15	0.32
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	10	0.32
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	10	0.32
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	10	0.32
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	10	0.32
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	20	0.31
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	20	0.31
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	20	0.31
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	16	0.31
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	16	0.31
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	16	0.31
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	5	0.31
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	5	0.31
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	5	0.31
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	17	0.31
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	17	0.31
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	17	0.31
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	4	0.31
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	4	0.31
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	4	0.31
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	7	0.31
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	7	0.31
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	15	0.31
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	15	0.31
(2,3564)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	15	0.31
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE1	3	0.31
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE2	3	0.31
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE3	3	0.31
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	8	0.31
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	8	0.31
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	8	0.31
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	13	0.31
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	13	0.31
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	13	0.31
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	5	0.31
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	5	0.31
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	5	0.31
(2,3378)	1:138:A:LEU:HD11	1:92:A:THR:HG21	4	0.31
(2,3378)	1:138:A:LEU:HD11	1:92:A:THR:HG22	4	0.31
(2,3378)	1:138:A:LEU:HD11	1:92:A:THR:HG23	4	0.31
(2,3378)	1:138:A:LEU:HD12	1:92:A:THR:HG21	4	0.31
(2,3378)	1:138:A:LEU:HD12	1:92:A:THR:HG22	4	0.31
(2,3378)	1:138:A:LEU:HD12	1:92:A:THR:HG23	4	0.31
(2,3378)	1:138:A:LEU:HD13	1:92:A:THR:HG21	4	0.31
(2,3378)	1:138:A:LEU:HD13	1:92:A:THR:HG22	4	0.31
(2,3378)	1:138:A:LEU:HD13	1:92:A:THR:HG23	4	0.31
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	2	0.31
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	2	0.31
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	2	0.31
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	7	0.31
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	7	0.31
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	7	0.31
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	19	0.31
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	19	0.31
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	19	0.31
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	16	0.31
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	16	0.31
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	16	0.31
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	20	0.31
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	20	0.31
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	20	0.31
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	10	0.31
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	10	0.31
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	13	0.31
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	13	0.31
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	13	0.31
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	13	0.31
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	13	0.31
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	13	0.31
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	13	0.31
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	13	0.31
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	13	0.31
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	8	0.31
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	8	0.31
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	8	0.31
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	8	0.31
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	8	0.31
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	8	0.31
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	8	0.31
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	8	0.31
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	8	0.31
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	8	0.31
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	8	0.31
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	8	0.31
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	10	0.31
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	10	0.31
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	10	0.31
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	10	0.31
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	10	0.31
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	10	0.31
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	10	0.31
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	10	0.31
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	10	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	4	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	4	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	4	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	5	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	5	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	5	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	12	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	12	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	12	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	13	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	13	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	15	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	15	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	15	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	19	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	19	0.31
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	19	0.31
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB3	8	0.31
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB3	8	0.31
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB3	8	0.31
(2,3204)	1:102:A:LEU:HD11	1:135:A:SER:HB2	8	0.31
(2,3204)	1:102:A:LEU:HD12	1:135:A:SER:HB2	8	0.31
(2,3204)	1:102:A:LEU:HD13	1:135:A:SER:HB2	8	0.31
(2,3200)	1:102:A:LEU:H	1:102:A:LEU:HD11	7	0.31
(2,3200)	1:102:A:LEU:H	1:102:A:LEU:HD12	7	0.31
(2,3200)	1:102:A:LEU:H	1:102:A:LEU:HD13	7	0.31
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	10	0.31
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	10	0.31
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	10	0.31
(2,3122)	1:94:A:ARG:HG2	1:94:A:ARG:HA	9	0.31
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	15	0.31
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	20	0.31
(2,3062)	1:125:A:VAL:H	1:110:A:ILE:HG13	7	0.31
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	7	0.31
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	11	0.31
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	12	0.31
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	14	0.31
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	16	0.31
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	1	0.31
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	1	0.31
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	1	0.31
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	2	0.31
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	11	0.31
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	16	0.31
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	9	0.31
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	19	0.31
(2,2730)	1:98:A:PRO:HD3	1:97:A:VAL:HB	19	0.31
(2,2650)	1:126:A:LYS:HB2	1:125:A:VAL:HB	11	0.31
(2,2529)	1:129:A:ALA:H	1:136:A:GLU:HG2	12	0.31
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	8	0.31
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	14	0.31
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	13	0.31
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	1	0.31
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	1	0.31
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	1	0.31
(2,2288)	1:39:A:ARG:HB2	1:39:A:ARG:HD3	10	0.31
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	5	0.31
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	5	0.31
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	5	0.31
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	19	0.31
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	19	0.31
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	19	0.31
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD2	15	0.31
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD3	15	0.31
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	13	0.31
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	11	0.31
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	5	0.31
(2,2112)	1:78:A:GLY:HA3	1:79:A:VAL:HB	5	0.31
(2,2112)	1:78:A:GLY:HA2	1:79:A:VAL:HB	5	0.31
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	2	0.31
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	10	0.31
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	14	0.31
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	11	0.31
(2,2028)	1:149:A:VAL:HG21	1:98:A:PRO:HD2	12	0.31
(2,2028)	1:149:A:VAL:HG22	1:98:A:PRO:HD2	12	0.31
(2,2028)	1:149:A:VAL:HG23	1:98:A:PRO:HD2	12	0.31
(2,1985)	1:127:A:ALA:HA	1:138:A:LEU:HD11	4	0.31
(2,1985)	1:127:A:ALA:HA	1:138:A:LEU:HD12	4	0.31
(2,1985)	1:127:A:ALA:HA	1:138:A:LEU:HD13	4	0.31
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	3	0.31
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	15	0.31
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	15	0.31
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	15	0.31
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	12	0.31
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	12	0.31
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	2	0.31
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	15	0.31
(2,1654)	1:57:A:TYR:HA	1:58:A:GLU:HB2	1	0.31
(2,1594)	1:173:A:SER:HA	1:174:A:GLY:H	4	0.31
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	1	0.31
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	1	0.31
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	1	0.31
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	10	0.31
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	10	0.31
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	12	0.31
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	12	0.31
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	12	0.31
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	13	0.31
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	13	0.31
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	13	0.31
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	13	0.31
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	13	0.31
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	13	0.31
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	15	0.31
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	15	0.31
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	15	0.31
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	6	0.31
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	6	0.31
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	6	0.31
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	11	0.31
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	12	0.31
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	12	0.31
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	12	0.31
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	7	0.31
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	6	0.31
(2,1099)	1:102:A:LEU:H	1:135:A:SER:HB3	11	0.31
(2,1072)	1:137:A:ILE:HB	1:141:A:LEU:H	7	0.31
(2,988)	1:93:A:GLU:HB2	1:92:A:THR:H	5	0.31
(2,988)	1:93:A:GLU:HB3	1:92:A:THR:H	5	0.31
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	18	0.31
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	18	0.31
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	18	0.31
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	5	0.31
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	5	0.31
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	5	0.31
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	7	0.31
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	7	0.31
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	7	0.31
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	4	0.31
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	13	0.31
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	13	0.31
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	13	0.31
(2,744)	1:79:A:VAL:H	1:80:A:ARG:HB2	1	0.31
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	10	0.31
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	17	0.31
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	8	0.31
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	9	0.31
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	9	0.31
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	9	0.31
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	1	0.31
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	4	0.31
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	9	0.31
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	19	0.31
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	20	0.31
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	20	0.31
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	20	0.31
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	6	0.31
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	7	0.31
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	17	0.31
(2,365)	1:86:A:LEU:H	1:85:A:LYS:HD3	20	0.31
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	8	0.31
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	13	0.31
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	6	0.31
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	20	0.31
(1,601)	1:49:A:MET:H	1:49:A:MET:HG3	12	0.31
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB1	6	0.31
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB2	6	0.31
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB3	6	0.31
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	5	0.31
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	5	0.31
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	1	0.3
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	1	0.3
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	15	0.3
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	15	0.3
(3,143)	1:28:A:LEU:HB3	1:30:A:TRP:H	12	0.3
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG21	18	0.3
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG22	18	0.3
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG23	18	0.3
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG21	18	0.3
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG22	18	0.3
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG23	18	0.3
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	7	0.3
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	16	0.3
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	16	0.3
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	16	0.3
(3,18)	1:39:A:ARG:HD2	1:29:A:TYR:HE1	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,18)	1:39:A:ARG:HD2	1:29:A:TYR:HE2	16	0.3
(3,16)	1:39:A:ARG:HG3	1:29:A:TYR:HE1	18	0.3
(3,16)	1:39:A:ARG:HG3	1:29:A:TYR:HE2	18	0.3
(3,16)	1:39:A:ARG:HG2	1:29:A:TYR:HE1	18	0.3
(3,16)	1:39:A:ARG:HG2	1:29:A:TYR:HE2	18	0.3
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	14	0.3
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	14	0.3
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	14	0.3
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	14	0.3
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	14	0.3
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	14	0.3
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE1	2	0.3
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE2	2	0.3
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE3	2	0.3
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	9	0.3
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	9	0.3
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	9	0.3
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	1	0.3
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	1	0.3
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	1	0.3
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	1	0.3
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	1	0.3
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	1	0.3
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	1	0.3
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	1	0.3
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	1	0.3
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	3	0.3
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	3	0.3
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	3	0.3
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	3	0.3
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	3	0.3
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	3	0.3
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	3	0.3
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	3	0.3
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	3	0.3
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	3	0.3
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	3	0.3
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	3	0.3
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	9	0.3
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	9	0.3
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	9	0.3
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	11	0.3
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	11	0.3
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	20	0.3
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	20	0.3
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	20	0.3
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	1	0.3
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	1	0.3
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	1	0.3
(2,3285)	1:86:A:LEU:H	1:85:A:LYS:HG3	18	0.3
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	16	0.3
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	16	0.3
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	16	0.3
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	16	0.3
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	16	0.3
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	16	0.3
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	16	0.3
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	16	0.3
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	16	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	1	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	1	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	1	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	2	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	2	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	2	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	3	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	3	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	3	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	9	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	9	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	9	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	10	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	10	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	10	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	18	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	18	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	18	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	20	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	20	0.3
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	20	0.3
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	12	0.3
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	12	0.3
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	4	0.3
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	4	0.3
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	4	0.3
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	17	0.3
(2,3122)	1:94:A:ARG:HG2	1:94:A:ARG:HA	15	0.3
(2,3108)	1:36:A:PRO:HA	1:36:A:PRO:HG2	11	0.3
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	13	0.3
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	17	0.3
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	5	0.3
(2,2936)	1:68:A:ARG:H	1:68:A:ARG:HB2	2	0.3
(2,2934)	1:26:A:ARG:HB2	1:26:A:ARG:HG3	6	0.3
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	9	0.3
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	11	0.3
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	11	0.3
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	11	0.3
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	5	0.3
(2,2552)	1:129:A:ALA:H	1:136:A:GLU:HG3	7	0.3
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	12	0.3
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	13	0.3
(2,2536)	1:100:A:GLU:H	1:100:A:GLU:HG2	9	0.3
(2,2452)	1:61:A:ASN:HB2	1:63:A:ASP:H	3	0.3
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	9	0.3
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	1	0.3
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	3	0.3
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	14	0.3
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	20	0.3
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	6	0.3
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	6	0.3
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	6	0.3
(2,2288)	1:39:A:ARG:HB2	1:39:A:ARG:HD3	11	0.3
(2,2288)	1:39:A:ARG:HB2	1:39:A:ARG:HD3	14	0.3
(2,2288)	1:39:A:ARG:HB2	1:39:A:ARG:HD3	15	0.3
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	4	0.3
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	4	0.3
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD2	3	0.3
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD3	3	0.3
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD2	6	0.3
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD3	6	0.3
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD2	7	0.3
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD3	7	0.3
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	20	0.3
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	14	0.3
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	7	0.3
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	7	0.3
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	7	0.3
(2,2112)	1:78:A:GLY:HA3	1:79:A:VAL:HB	1	0.3
(2,2112)	1:78:A:GLY:HA2	1:79:A:VAL:HB	1	0.3
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	1	0.3
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	5	0.3
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	1	0.3
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	1	0.3
(2,1881)	1:52:A:PRO:HD2	1:51:A:MET:HA	7	0.3
(2,1871)	1:84:A:VAL:HG21	1:142:A:LYS:HA	18	0.3
(2,1871)	1:84:A:VAL:HG22	1:142:A:LYS:HA	18	0.3
(2,1871)	1:84:A:VAL:HG23	1:142:A:LYS:HA	18	0.3
(2,1746)	1:73:A:VAL:H	1:72:A:ARG:HA	13	0.3
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	20	0.3
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	17	0.3
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	2	0.3
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	2	0.3
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	2	0.3
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	16	0.3
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	16	0.3
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	16	0.3
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	12	0.3
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	12	0.3
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	12	0.3
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	17	0.3
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	17	0.3
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	17	0.3
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	1	0.3
(2,1488)	1:27:A:ILE:HA	1:58:A:GLU:HB2	14	0.3
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	10	0.3
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	10	0.3
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	10	0.3
(2,1390)	1:148:A:VAL:HA	1:81:A:THR:HB	10	0.3
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	14	0.3
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	20	0.3
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	10	0.3
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	10	0.3
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	10	0.3
(2,1302)	1:146:A:GLN:HB2	1:81:A:THR:HB	18	0.3
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	14	0.3
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	14	0.3
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	11	0.3
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	18	0.3
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	2	0.3
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	17	0.3
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	18	0.3
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	11	0.3
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD11	3	0.3
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD12	3	0.3
(2,1177)	1:38:A:GLN:HE22	1:53:A:LEU:HD13	3	0.3
(2,1175)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	10	0.3
(2,1175)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	14	0.3
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	20	0.3
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	12	0.3
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	12	0.3
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	12	0.3
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	14	0.3
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	3	0.3
(2,831)	1:104:A:ARG:HD3	1:105:A:THR:H	16	0.3
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	15	0.3
(2,743)	1:77:A:LEU:HB3	1:79:A:VAL:H	12	0.3
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	9	0.3
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	5	0.3
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	5	0.3
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	5	0.3
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	14	0.3
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	15	0.3
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	1	0.3
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	1	0.3
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	1	0.3
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	8	0.3
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	12	0.3
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	12	0.3
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	12	0.3
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	2	0.3
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	17	0.3
(2,451)	1:58:A:GLU:HG2	1:60:A:GLU:H	1	0.3
(2,447)	1:62:A:ALA:HB1	1:60:A:GLU:H	5	0.3
(2,447)	1:62:A:ALA:HB2	1:60:A:GLU:H	5	0.3
(2,447)	1:62:A:ALA:HB3	1:60:A:GLU:H	5	0.3
(2,421)	1:22:A:LYS:H	1:22:A:LYS:HB2	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	13	0.3
(2,331)	1:69:A:ILE:HG12	1:69:A:ILE:H	17	0.3
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	5	0.3
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	16	0.3
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD21	6	0.3
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD22	6	0.3
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD23	6	0.3
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD11	6	0.3
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD12	6	0.3
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD13	6	0.3
(1,599)	1:46:A:SER:HB2	1:49:A:MET:H	4	0.3
(1,507)	1:40:A:PHE:H	1:39:A:ARG:HD2	20	0.3
(1,491)	1:60:A:GLU:HA	1:60:A:GLU:H	16	0.3
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	14	0.3
(1,140)	1:60:A:GLU:H	1:59:A:GLU:HA	8	0.3
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	18	0.3
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	18	0.3
(1,35)	1:28:A:LEU:HB3	1:29:A:TYR:HD1	10	0.3
(1,35)	1:28:A:LEU:HB3	1:29:A:TYR:HD2	10	0.3
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	7	0.29
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	9	0.29
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	10	0.29
(3,147)	1:53:A:LEU:HD21	1:30:A:TRP:H	2	0.29
(3,147)	1:53:A:LEU:HD22	1:30:A:TRP:H	2	0.29
(3,147)	1:53:A:LEU:HD23	1:30:A:TRP:H	2	0.29
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG21	7	0.29
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG22	7	0.29
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG23	7	0.29
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG21	7	0.29
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG22	7	0.29
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG23	7	0.29
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	16	0.29
(3,23)	1:31:A:ARG:HB3	1:40:A:PHE:HD1	3	0.29
(3,23)	1:31:A:ARG:HB3	1:40:A:PHE:HD2	3	0.29
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	6	0.29
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	6	0.29
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	6	0.29
(2,3659)	1:137:A:ILE:HD11	1:135:A:SER:H	9	0.29
(2,3659)	1:137:A:ILE:HD12	1:135:A:SER:H	9	0.29
(2,3659)	1:137:A:ILE:HD13	1:135:A:SER:H	9	0.29
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	20	0.29
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	20	0.29
(2,3628)	1:137:A:ILE:HG21	1:142:A:LYS:H	18	0.29
(2,3628)	1:137:A:ILE:HG22	1:142:A:LYS:H	18	0.29
(2,3628)	1:137:A:ILE:HG23	1:142:A:LYS:H	18	0.29
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	20	0.29
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	20	0.29
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	20	0.29
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	20	0.29
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	20	0.29
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	20	0.29
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	2	0.29
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	2	0.29
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	2	0.29
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	19	0.29
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	19	0.29
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	19	0.29
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	6	0.29
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	6	0.29
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	6	0.29
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	8	0.29
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	8	0.29
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	8	0.29
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	8	0.29
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	8	0.29
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	8	0.29
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	3	0.29
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	3	0.29
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	3	0.29
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	15	0.29
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	15	0.29
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	15	0.29
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB1	16	0.29
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB2	16	0.29
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB3	16	0.29
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	8	0.29
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	8	0.29
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	8	0.29
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	8	0.29
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	8	0.29
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	8	0.29
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE1	9	0.29
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE2	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE3	9	0.29
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE1	9	0.29
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE2	9	0.29
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE3	9	0.29
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE1	9	0.29
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE2	9	0.29
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE3	9	0.29
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	5	0.29
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	5	0.29
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	5	0.29
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	19	0.29
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	19	0.29
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	19	0.29
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	9	0.29
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	9	0.29
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	9	0.29
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	7	0.29
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	7	0.29
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	7	0.29
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	5	0.29
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	5	0.29
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	5	0.29
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	19	0.29
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	2	0.29
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	2	0.29
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	2	0.29
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	1	0.29
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	1	0.29
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	1	0.29
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	1	0.29
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	1	0.29
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	1	0.29
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	1	0.29
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	1	0.29
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	1	0.29
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD11	6	0.29
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD12	6	0.29
(2,3205)	1:102:A:LEU:HB3	1:102:A:LEU:HD13	6	0.29
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	2	0.29
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	2	0.29
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	2	0.29
(2,3122)	1:94:A:ARG:HG2	1:94:A:ARG:HA	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3092)	1:94:A:ARG:HG3	1:94:A:ARG:HA	18	0.29
(2,3091)	1:89:A:LEU:HA	1:89:A:LEU:HG	2	0.29
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	7	0.29
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	16	0.29
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	20	0.29
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	6	0.29
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	7	0.29
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	20	0.29
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	15	0.29
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	11	0.29
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	17	0.29
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	8	0.29
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	19	0.29
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	10	0.29
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	2	0.29
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	2	0.29
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	2	0.29
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	7	0.29
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	7	0.29
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	7	0.29
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	7	0.29
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	7	0.29
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	7	0.29
(2,2730)	1:98:A:PRO:HD3	1:97:A:VAL:HB	16	0.29
(2,2730)	1:98:A:PRO:HD3	1:97:A:VAL:HB	20	0.29
(2,2701)	1:138:A:LEU:H	1:139:A:GLU:HB2	9	0.29
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	4	0.29
(2,2571)	1:158:A:GLU:HA	1:158:A:GLU:HG2	5	0.29
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	14	0.29
(2,2451)	1:27:A:ILE:HD11	1:61:A:ASN:HB2	7	0.29
(2,2451)	1:27:A:ILE:HD12	1:61:A:ASN:HB2	7	0.29
(2,2451)	1:27:A:ILE:HD13	1:61:A:ASN:HB2	7	0.29
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	6	0.29
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	6	0.29
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	13	0.29
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	13	0.29
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	9	0.29
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	15	0.29
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	2	0.29
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	2	0.29
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	2	0.29
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	17	0.29
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	17	0.29
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD3	8	0.29
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD2	8	0.29
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD2	4	0.29
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD3	4	0.29
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD2	12	0.29
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD3	12	0.29
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD2	14	0.29
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD3	14	0.29
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD2	18	0.29
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD3	18	0.29
(2,2112)	1:78:A:GLY:HA3	1:79:A:VAL:HB	2	0.29
(2,2112)	1:78:A:GLY:HA2	1:79:A:VAL:HB	2	0.29
(2,2112)	1:78:A:GLY:HA3	1:79:A:VAL:HB	16	0.29
(2,2112)	1:78:A:GLY:HA2	1:79:A:VAL:HB	16	0.29
(2,2106)	1:24:A:GLY:HA3	1:24:A:GLY:H	10	0.29
(2,2106)	1:24:A:GLY:HA3	1:24:A:GLY:H	16	0.29
(2,2065)	1:84:A:VAL:HG11	1:141:A:LEU:HB2	7	0.29
(2,2065)	1:84:A:VAL:HG12	1:141:A:LEU:HB2	7	0.29
(2,2065)	1:84:A:VAL:HG13	1:141:A:LEU:HB2	7	0.29
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	7	0.29
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	7	0.29
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	19	0.29
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	2	0.29
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	7	0.29
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	7	0.29
(2,1881)	1:52:A:PRO:HD2	1:51:A:MET:HA	14	0.29
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	6	0.29
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	11	0.29
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	20	0.29
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	18	0.29
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	18	0.29
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	18	0.29
(2,1815)	1:40:A:PHE:HE1	1:31:A:ARG:HA	20	0.29
(2,1815)	1:40:A:PHE:HE2	1:31:A:ARG:HA	20	0.29
(2,1762)	1:75:A:GLN:HA	1:76:A:ASN:H	20	0.29
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	2	0.29
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	11	0.29
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	13	0.29
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	20	0.29
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	20	0.29
(2,1701)	1:20:A:GLU:HA	1:21:A:LEU:HD21	7	0.29
(2,1701)	1:20:A:GLU:HA	1:21:A:LEU:HD22	7	0.29
(2,1701)	1:20:A:GLU:HA	1:21:A:LEU:HD23	7	0.29
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	15	0.29
(2,1606)	1:35:A:VAL:HG21	1:48:A:TYR:HA	3	0.29
(2,1606)	1:35:A:VAL:HG22	1:48:A:TYR:HA	3	0.29
(2,1606)	1:35:A:VAL:HG23	1:48:A:TYR:HA	3	0.29
(2,1585)	1:104:A:ARG:HB2	1:105:A:THR:HA	7	0.29
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	6	0.29
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	6	0.29
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	6	0.29
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	7	0.29
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	11	0.29
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	11	0.29
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	11	0.29
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	17	0.29
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	17	0.29
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	17	0.29
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	2	0.29
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	2	0.29
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	2	0.29
(2,1326)	1:92:A:THR:HB	1:94:A:ARG:HD2	1	0.29
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	20	0.29
(2,1212)	1:128:A:GLY:H	1:138:A:LEU:HG	12	0.29
(2,1175)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	3	0.29
(2,1175)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	20	0.29
(2,1162)	1:48:A:TYR:HB3	1:49:A:MET:H	4	0.29
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	9	0.29
(2,1109)	1:80:A:ARG:HG3	1:81:A:THR:H	20	0.29
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	7	0.29
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	8	0.29
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	8	0.29
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	8	0.29
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	8	0.29
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	8	0.29
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	8	0.29
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	9	0.29
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	9	0.29
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	9	0.29
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	9	0.29
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	9	0.29
(2,949)	1:56:A:VAL:HG21	1:31:A:ARG:H	15	0.29
(2,949)	1:56:A:VAL:HG22	1:31:A:ARG:H	15	0.29
(2,949)	1:56:A:VAL:HG23	1:31:A:ARG:H	15	0.29
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	11	0.29
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	11	0.29
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	11	0.29
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	20	0.29
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	20	0.29
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	20	0.29
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	13	0.29
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	12	0.29
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	12	0.29
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	12	0.29
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	16	0.29
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	16	0.29
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	16	0.29
(2,831)	1:104:A:ARG:HD3	1:105:A:THR:H	17	0.29
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	13	0.29
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	13	0.29
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	13	0.29
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	3	0.29
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	4	0.29
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	4	0.29
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	4	0.29
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	13	0.29
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	13	0.29
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	13	0.29
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	14	0.29
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	14	0.29
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	14	0.29
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	1	0.29
(2,521)	1:95:A:LEU:H	1:95:A:LEU:HG	8	0.29
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	13	0.29
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	8	0.29
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	10	0.29
(2,452)	1:60:A:GLU:HB2	1:60:A:GLU:H	15	0.29
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD11	12	0.29
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD12	12	0.29
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD13	12	0.29
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	18	0.29
(2,418)	1:75:A:GLN:H	1:75:A:GLN:HB3	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	2	0.29
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	2	0.29
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	2	0.29
(2,315)	1:143:A:ALA:H	1:142:A:LYS:HB2	19	0.29
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	18	0.29
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	15	0.29
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD21	4	0.29
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD22	4	0.29
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD23	4	0.29
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD11	4	0.29
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD12	4	0.29
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD13	4	0.29
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	6	0.29
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	6	0.29
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	6	0.29
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	14	0.29
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	14	0.29
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	14	0.29
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	17	0.29
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	17	0.29
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	17	0.29
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	4	0.29
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	7	0.29
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	14	0.29
(1,601)	1:49:A:MET:H	1:49:A:MET:HG3	19	0.29
(1,553)	1:50:A:ASP:HB2	1:50:A:ASP:H	13	0.29
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB1	8	0.29
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB2	8	0.29
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB3	8	0.29
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB1	9	0.29
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB2	9	0.29
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB3	9	0.29
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB1	11	0.29
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB2	11	0.29
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB3	11	0.29
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	16	0.29
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	16	0.29
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	16	0.29
(1,343)	1:26:A:ARG:H	1:26:A:ARG:HG2	11	0.29
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	15	0.29
(1,229)	1:48:A:TYR:HB3	1:49:A:MET:HG3	7	0.29
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE1	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE2	17	0.29
(4,40)	1:138:A:LEU:HD11	1:92:A:THR:H	2	0.28
(4,40)	1:138:A:LEU:HD12	1:92:A:THR:H	2	0.28
(4,40)	1:138:A:LEU:HD13	1:92:A:THR:H	2	0.28
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	10	0.28
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	10	0.28
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	5	0.28
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	8	0.28
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	16	0.28
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	6	0.28
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	3	0.28
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	3	0.28
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	3	0.28
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	19	0.28
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	14	0.28
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	14	0.28
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	14	0.28
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	18	0.28
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	18	0.28
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	18	0.28
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	3	0.28
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	3	0.28
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	3	0.28
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE1	4	0.28
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE2	4	0.28
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE1	4	0.28
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE2	4	0.28
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE1	4	0.28
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE2	4	0.28
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	6	0.28
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	6	0.28
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	6	0.28
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	15	0.28
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	15	0.28
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	15	0.28
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	5	0.28
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	5	0.28
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	5	0.28
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	18	0.28
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	18	0.28
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	18	0.28
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	14	0.28
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	14	0.28
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	14	0.28
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	14	0.28
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	14	0.28
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	10	0.28
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	10	0.28
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	10	0.28
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	6	0.28
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	6	0.28
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	6	0.28
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	18	0.28
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	18	0.28
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	18	0.28
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	18	0.28
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	18	0.28
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	18	0.28
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	8	0.28
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	8	0.28
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	8	0.28
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	14	0.28
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	14	0.28
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	14	0.28
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	5	0.28
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	5	0.28
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	5	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	3	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	3	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	3	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	8	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	8	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	8	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	18	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	18	0.28
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	18	0.28
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	8	0.28
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	8	0.28
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	8	0.28
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	9	0.28
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG3	18	0.28
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG2	18	0.28
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	14	0.28
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	14	0.28
(2,3122)	1:94:A:ARG:HG2	1:94:A:ARG:HA	13	0.28
(2,3091)	1:89:A:LEU:HA	1:89:A:LEU:HG	9	0.28
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	3	0.28
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	10	0.28
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	18	0.28
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	20	0.28
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	10	0.28
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	10	0.28
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	10	0.28
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	1	0.28
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	13	0.28
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	18	0.28
(2,2815)	1:118:A:GLY:H	1:115:A:LYS:HB2	2	0.28
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	14	0.28
(2,2557)	1:86:A:LEU:H	1:85:A:LYS:HB2	20	0.28
(2,2542)	1:58:A:GLU:HG2	1:60:A:GLU:H	1	0.28
(2,2541)	1:27:A:ILE:H	1:58:A:GLU:HG2	20	0.28
(2,2482)	1:34:A:MET:HG3	1:34:A:MET:HA	6	0.28
(2,2465)	1:79:A:VAL:HG11	1:76:A:ASN:HB3	18	0.28
(2,2465)	1:79:A:VAL:HG12	1:76:A:ASN:HB3	18	0.28
(2,2465)	1:79:A:VAL:HG13	1:76:A:ASN:HB3	18	0.28
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	17	0.28
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	11	0.28
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	11	0.28
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	11	0.28
(2,2349)	1:32:A:ASP:HB2	1:34:A:MET:HB2	13	0.28
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE2	6	0.28
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE3	6	0.28
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD3	20	0.28
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD2	20	0.28
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	3	0.28
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	3	0.28
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	10	0.28
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	10	0.28
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	3	0.28
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	3	0.28
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	3	0.28
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	11	0.28
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	11	0.28
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2139)	1:24:A:GLY:HA2	1:25:A:LYS:HB2	6	0.28
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	12	0.28
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	12	0.28
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	12	0.28
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	5	0.28
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	5	0.28
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	5	0.28
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	18	0.28
(2,2106)	1:24:A:GLY:HA3	1:24:A:GLY:H	2	0.28
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	7	0.28
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	13	0.28
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	13	0.28
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	13	0.28
(2,2068)	1:84:A:VAL:HG21	1:141:A:LEU:HB2	7	0.28
(2,2068)	1:84:A:VAL:HG22	1:141:A:LEU:HB2	7	0.28
(2,2068)	1:84:A:VAL:HG23	1:141:A:LEU:HB2	7	0.28
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	4	0.28
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	4	0.28
(2,1921)	1:148:A:VAL:HA	1:101:A:ALA:HA	8	0.28
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	16	0.28
(2,1887)	1:94:A:ARG:HA	1:94:A:ARG:HD2	4	0.28
(2,1834)	1:63:A:ASP:HA	1:63:A:ASP:H	9	0.28
(2,1751)	1:60:A:GLU:H	1:59:A:GLU:HA	6	0.28
(2,1746)	1:73:A:VAL:H	1:72:A:ARG:HA	7	0.28
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	12	0.28
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	11	0.28
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	5	0.28
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	5	0.28
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	5	0.28
(2,1532)	1:97:A:VAL:HG21	1:130:A:THR:HA	15	0.28
(2,1532)	1:97:A:VAL:HG22	1:130:A:THR:HA	15	0.28
(2,1532)	1:97:A:VAL:HG23	1:130:A:THR:HA	15	0.28
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG21	4	0.28
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG22	4	0.28
(2,1498)	1:113:A:VAL:HA	1:147:A:VAL:HG23	4	0.28
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	3	0.28
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	3	0.28
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	3	0.28
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	5	0.28
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	5	0.28
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	7	0.28
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	11	0.28
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	16	0.28
(2,1253)	1:116:A:GLY:H	1:119:A:GLY:H	3	0.28
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB1	20	0.28
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB2	20	0.28
(2,1240)	1:64:A:GLY:H	1:65:A:ALA:HB3	20	0.28
(2,1231)	1:63:A:ASP:HA	1:64:A:GLY:H	17	0.28
(2,1175)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	9	0.28
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	10	0.28
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	10	0.28
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	12	0.28
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	11	0.28
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	11	0.28
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	11	0.28
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	11	0.28
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	11	0.28
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	11	0.28
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	13	0.28
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	13	0.28
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	13	0.28
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	13	0.28
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	13	0.28
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	13	0.28
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	15	0.28
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	15	0.28
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	15	0.28
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	15	0.28
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	15	0.28
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	15	0.28
(2,1023)	1:126:A:LYS:HG2	1:139:A:GLU:H	5	0.28
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	20	0.28
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	20	0.28
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	20	0.28
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	14	0.28
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	6	0.28
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	3	0.28
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	3	0.28
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	3	0.28
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB1	14	0.28
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB2	14	0.28
(2,801)	1:67:A:VAL:H	1:66:A:ALA:HB3	14	0.28
(2,785)	1:88:A:ARG:H	1:88:A:ARG:HG3	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	7	0.28
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	13	0.28
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	11	0.28
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	7	0.28
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	6	0.28
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	6	0.28
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	6	0.28
(2,610)	1:51:A:MET:H	1:45:A:LYS:HA	8	0.28
(2,610)	1:51:A:MET:H	1:45:A:LYS:HA	17	0.28
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	8	0.28
(2,563)	1:53:A:LEU:HD21	1:45:A:LYS:H	1	0.28
(2,563)	1:53:A:LEU:HD22	1:45:A:LYS:H	1	0.28
(2,563)	1:53:A:LEU:HD23	1:45:A:LYS:H	1	0.28
(2,549)	1:149:A:VAL:HG21	1:83:A:GLU:H	3	0.28
(2,549)	1:149:A:VAL:HG22	1:83:A:GLU:H	3	0.28
(2,549)	1:149:A:VAL:HG23	1:83:A:GLU:H	3	0.28
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	16	0.28
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	5	0.28
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	5	0.28
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	5	0.28
(2,423)	1:76:A:ASN:H	1:77:A:LEU:H	15	0.28
(2,415)	1:75:A:GLN:HA	1:75:A:GLN:H	5	0.28
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	8	0.28
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	8	0.28
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	8	0.28
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	17	0.28
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	2	0.28
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	12	0.28
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	12	0.28
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	12	0.28
(2,67)	1:28:A:LEU:H	1:29:A:TYR:HB2	17	0.28
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	6	0.28
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	4	0.28
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	10	0.28
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	14	0.28
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	15	0.28
(1,546)	1:61:A:ASN:H	1:58:A:GLU:HG3	9	0.28
(1,491)	1:60:A:GLU:HA	1:60:A:GLU:H	13	0.28
(1,491)	1:60:A:GLU:HA	1:60:A:GLU:H	14	0.28
(1,480)	1:57:A:TYR:H	1:58:A:GLU:HG3	6	0.28
(1,468)	1:53:A:LEU:HD21	1:48:A:TYR:HD1	10	0.28
(1,468)	1:53:A:LEU:HD21	1:48:A:TYR:HD2	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:53:A:LEU:HD22	1:48:A:TYR:HD1	10	0.28
(1,468)	1:53:A:LEU:HD22	1:48:A:TYR:HD2	10	0.28
(1,468)	1:53:A:LEU:HD23	1:48:A:TYR:HD1	10	0.28
(1,468)	1:53:A:LEU:HD23	1:48:A:TYR:HD2	10	0.28
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	20	0.28
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	20	0.28
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	20	0.28
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	19	0.28
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	19	0.28
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	19	0.28
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	19	0.28
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	19	0.28
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	19	0.28
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG21	6	0.28
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG22	6	0.28
(1,389)	1:57:A:TYR:H	1:56:A:VAL:HG23	6	0.28
(1,362)	1:53:A:LEU:HD21	1:32:A:ASP:HB2	16	0.28
(1,362)	1:53:A:LEU:HD22	1:32:A:ASP:HB2	16	0.28
(1,362)	1:53:A:LEU:HD23	1:32:A:ASP:HB2	16	0.28
(1,282)	1:52:A:PRO:HD2	1:51:A:MET:HB3	11	0.28
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	4	0.28
(1,216)	1:39:A:ARG:HD2	1:39:A:ARG:HA	6	0.28
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	10	0.28
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	10	0.28
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	8	0.28
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	8	0.28
(3,151)	1:53:A:LEU:HD21	1:49:A:MET:H	15	0.27
(3,151)	1:53:A:LEU:HD22	1:49:A:MET:H	15	0.27
(3,151)	1:53:A:LEU:HD23	1:49:A:MET:H	15	0.27
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	20	0.27
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	19	0.27
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	2	0.27
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	2	0.27
(3,16)	1:39:A:ARG:HG3	1:29:A:TYR:HE1	4	0.27
(3,16)	1:39:A:ARG:HG3	1:29:A:TYR:HE2	4	0.27
(3,16)	1:39:A:ARG:HG2	1:29:A:TYR:HE1	4	0.27
(3,16)	1:39:A:ARG:HG2	1:29:A:TYR:HE2	4	0.27
(2,3660)	1:137:A:ILE:HD11	1:103:A:ILE:H	19	0.27
(2,3660)	1:137:A:ILE:HD12	1:103:A:ILE:H	19	0.27
(2,3660)	1:137:A:ILE:HD13	1:103:A:ILE:H	19	0.27
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	1	0.27
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	1	0.27
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE1	3	0.27
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE2	3	0.27
(2,3645)	1:79:A:VAL:HG21	1:112:A:MET:HE3	3	0.27
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE1	3	0.27
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE2	3	0.27
(2,3645)	1:79:A:VAL:HG22	1:112:A:MET:HE3	3	0.27
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE1	3	0.27
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE2	3	0.27
(2,3645)	1:79:A:VAL:HG23	1:112:A:MET:HE3	3	0.27
(2,3607)	1:84:A:VAL:HB	1:143:A:ALA:HB1	18	0.27
(2,3607)	1:84:A:VAL:HB	1:143:A:ALA:HB2	18	0.27
(2,3607)	1:84:A:VAL:HB	1:143:A:ALA:HB3	18	0.27
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	8	0.27
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	8	0.27
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	8	0.27
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	8	0.27
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	8	0.27
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	8	0.27
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG21	19	0.27
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG22	19	0.27
(2,3591)	1:124:A:GLU:H	1:110:A:ILE:HG23	19	0.27
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	11	0.27
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	11	0.27
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	11	0.27
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	12	0.27
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	12	0.27
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	12	0.27
(2,3534)	1:129:A:ALA:HB1	1:130:A:THR:HA	9	0.27
(2,3534)	1:129:A:ALA:HB2	1:130:A:THR:HA	9	0.27
(2,3534)	1:129:A:ALA:HB3	1:130:A:THR:HA	9	0.27
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	3	0.27
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	3	0.27
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	3	0.27
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	3	0.27
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	3	0.27
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	3	0.27
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	5	0.27
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	5	0.27
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	5	0.27
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	5	0.27
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	5	0.27
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	2	0.27
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	2	0.27
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	2	0.27
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	3	0.27
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	3	0.27
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	3	0.27
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	3	0.27
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	3	0.27
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	3	0.27
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	3	0.27
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	3	0.27
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	3	0.27
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	3	0.27
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	3	0.27
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	3	0.27
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	3	0.27
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	3	0.27
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	3	0.27
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	3	0.27
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	3	0.27
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	3	0.27
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	3	0.27
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	3	0.27
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	3	0.27
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	3	0.27
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	3	0.27
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	3	0.27
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	18	0.27
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	18	0.27
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	18	0.27
(2,3227)	1:86:A:LEU:HD11	1:86:A:LEU:HA	17	0.27
(2,3227)	1:86:A:LEU:HD12	1:86:A:LEU:HA	17	0.27
(2,3227)	1:86:A:LEU:HD13	1:86:A:LEU:HA	17	0.27
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	17	0.27
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	17	0.27
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	17	0.27
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	17	0.27
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	17	0.27
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	17	0.27
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	17	0.27
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	17	0.27
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	19	0.27
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	19	0.27
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	19	0.27
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	19	0.27
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	19	0.27
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	19	0.27
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	19	0.27
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	19	0.27
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	19	0.27
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	4	0.27
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	4	0.27
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	4	0.27
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	18	0.27
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	18	0.27
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	18	0.27
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	12	0.27
(2,3091)	1:89:A:LEU:HA	1:89:A:LEU:HG	4	0.27
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	3	0.27
(2,3077)	1:51:A:MET:HA	1:52:A:PRO:HG3	10	0.27
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	18	0.27
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	14	0.27
(2,3020)	1:119:A:GLY:H	1:117:A:GLU:HB3	2	0.27
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	10	0.27
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	12	0.27
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	12	0.27
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	17	0.27
(2,2852)	1:80:A:ARG:HB3	1:81:A:THR:H	14	0.27
(2,2803)	1:81:A:THR:HA	1:148:A:VAL:HB	15	0.27
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	5	0.27
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	5	0.27
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	5	0.27
(2,2740)	1:39:A:ARG:H	1:38:A:GLN:HG3	3	0.27
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	8	0.27
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	8	0.27
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	8	0.27
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	12	0.27
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	13	0.27
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	17	0.27
(2,2506)	1:88:A:ARG:HG3	1:93:A:GLU:HG3	3	0.27
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	7	0.27
(2,2443)	1:26:A:ARG:HA	1:27:A:ILE:HB	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	5	0.27
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	5	0.27
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	5	0.27
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	4	0.27
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	8	0.27
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	8	0.27
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	8	0.27
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	12	0.27
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	12	0.27
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	12	0.27
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG21	16	0.27
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG22	16	0.27
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG23	16	0.27
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE2	10	0.27
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE3	10	0.27
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	14	0.27
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD3	10	0.27
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD2	10	0.27
(2,2246)	1:104:A:ARG:HD3	1:105:A:THR:H	13	0.27
(2,2246)	1:104:A:ARG:HD2	1:105:A:THR:H	13	0.27
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD2	16	0.27
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD3	16	0.27
(2,2217)	1:95:A:LEU:H	1:94:A:ARG:HD2	13	0.27
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	13	0.27
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	13	0.27
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	13	0.27
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	16	0.27
(2,2137)	1:2:A:GLY:HA2	1:3:A:SER:HB2	13	0.27
(2,2137)	1:2:A:GLY:HA3	1:3:A:SER:HB2	13	0.27
(2,2106)	1:24:A:GLY:HA3	1:24:A:GLY:H	1	0.27
(2,2098)	1:175:A:LEU:H	1:174:A:GLY:HA2	7	0.27
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	16	0.27
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	16	0.27
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	16	0.27
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	4	0.27
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	4	0.27
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	6	0.27
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	6	0.27
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	13	0.27
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	15	0.27
(2,1995)	1:121:A:ASP:HB3	1:122:A:PRO:HD3	1	0.27
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	12	0.27
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	12	0.27
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	12	0.27
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	13	0.27
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	13	0.27
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	13	0.27
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	17	0.27
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	17	0.27
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	17	0.27
(2,1789)	1:108:A:ARG:HA	1:104:A:ARG:HD3	16	0.27
(2,1789)	1:108:A:ARG:HA	1:104:A:ARG:HD2	16	0.27
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	16	0.27
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	12	0.27
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	5	0.27
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	8	0.27
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	15	0.27
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	19	0.27
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	5	0.27
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	7	0.27
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	15	0.27
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	10	0.27
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	18	0.27
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	18	0.27
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	18	0.27
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	6	0.27
(2,1404)	1:157:A:SER:HB2	1:161:A:LEU:HG	20	0.27
(2,1399)	1:84:A:VAL:HA	1:95:A:LEU:HB2	9	0.27
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	19	0.27
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	5	0.27
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	5	0.27
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	5	0.27
(2,1336)	1:127:A:ALA:H	1:109:A:THR:HB	12	0.27
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	7	0.27
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	7	0.27
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	7	0.27
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	7	0.27
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	9	0.27
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	17	0.27
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	1	0.27
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	15	0.27
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	16	0.27
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	8	0.27
(2,1072)	1:137:A:ILE:HB	1:141:A:LEU:H	12	0.27
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	2	0.27
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	16	0.27
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	17	0.27
(2,985)	1:92:A:THR:H	1:91:A:SER:HB2	17	0.27
(2,981)	1:90:A:GLY:H	1:92:A:THR:H	6	0.27
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	8	0.27
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	8	0.27
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	8	0.27
(2,744)	1:79:A:VAL:H	1:80:A:ARG:HB2	8	0.27
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	8	0.27
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	11	0.27
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	1	0.27
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	18	0.27
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	4	0.27
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	4	0.27
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	4	0.27
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	1	0.27
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	1	0.27
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	1	0.27
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	7	0.27
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	7	0.27
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	7	0.27
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	15	0.27
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	15	0.27
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	15	0.27
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	20	0.27
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	10	0.27
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	10	0.27
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	10	0.27
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	11	0.27
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	6	0.27
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	5	0.27
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	5	0.27
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	5	0.27
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	11	0.27
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	11	0.27
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	11	0.27
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	19	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	2	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	2	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	7	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	7	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	7	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	8	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	8	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	8	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	9	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	9	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	9	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	10	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	10	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	10	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	16	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	16	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	16	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	20	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	20	0.27
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	20	0.27
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	19	0.27
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	10	0.27
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	10	0.27
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	10	0.27
(1,474)	1:39:A:ARG:H	1:38:A:GLN:HE22	15	0.27
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	7	0.27
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	7	0.27
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	7	0.27
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	15	0.27
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	15	0.27
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	15	0.27
(1,261)	1:58:A:GLU:HG3	1:60:A:GLU:H	10	0.27
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	12	0.27
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	13	0.27
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	13	0.27
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	17	0.27
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	17	0.27
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	19	0.27
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	19	0.27
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	7	0.26
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	19	0.26
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	19	0.26
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG21	4	0.26
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG22	4	0.26
(3,93)	1:55:A:PRO:HB2	1:27:A:ILE:HG23	4	0.26
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	14	0.26
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	20	0.26
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	20	0.26
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	20	0.26
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG3	18	0.26
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG2	18	0.26
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	13	0.26
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	13	0.26
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	13	0.26
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	2	0.26
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	2	0.26
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	2	0.26
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	5	0.26
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	5	0.26
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	5	0.26
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	11	0.26
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	11	0.26
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	11	0.26
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	19	0.26
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	19	0.26
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	19	0.26
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	20	0.26
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	20	0.26
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	20	0.26
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	17	0.26
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	17	0.26
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	17	0.26
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	17	0.26
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	17	0.26
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	17	0.26
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	20	0.26
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	20	0.26
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	20	0.26
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	10	0.26
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	10	0.26
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	10	0.26
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	10	0.26
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	10	0.26
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	11	0.26
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	11	0.26
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	11	0.26
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	12	0.26
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	12	0.26
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	12	0.26
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	20	0.26
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	20	0.26
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	20	0.26
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB1	5	0.26
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB2	5	0.26
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB3	5	0.26
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE1	11	0.26
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE2	11	0.26
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE3	11	0.26
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	19	0.26
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	19	0.26
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	19	0.26
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	12	0.26
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	12	0.26
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	12	0.26
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	17	0.26
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	17	0.26
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	17	0.26
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	17	0.26
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	17	0.26
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	17	0.26
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	17	0.26
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	17	0.26
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	17	0.26
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG21	11	0.26
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG22	11	0.26
(2,3474)	1:69:A:ILE:HG12	1:73:A:VAL:HG23	11	0.26
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	7	0.26
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	7	0.26
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	7	0.26
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG21	5	0.26
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG22	5	0.26
(2,3416)	1:70:A:ASP:HB3	1:74:A:THR:HG23	5	0.26
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG21	2	0.26
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG22	2	0.26
(2,3415)	1:63:A:ASP:HB2	1:164:A:THR:HG23	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3407)	1:171:A:THR:H	1:171:A:THR:HG21	5	0.26
(2,3407)	1:171:A:THR:H	1:171:A:THR:HG22	5	0.26
(2,3407)	1:171:A:THR:H	1:171:A:THR:HG23	5	0.26
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	13	0.26
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	13	0.26
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	13	0.26
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	13	0.26
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	13	0.26
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	13	0.26
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	13	0.26
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	13	0.26
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	13	0.26
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	13	0.26
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	13	0.26
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	13	0.26
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	13	0.26
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	13	0.26
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	13	0.26
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	13	0.26
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	13	0.26
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	13	0.26
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	2	0.26
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	2	0.26
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	2	0.26
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	2	0.26
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	2	0.26
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	2	0.26
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	2	0.26
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	2	0.26
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	2	0.26
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	20	0.26
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	20	0.26
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	20	0.26
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	20	0.26
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	20	0.26
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	20	0.26
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	20	0.26
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	20	0.26
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	20	0.26
(2,3319)	1:109:A:THR:HG21	1:104:A:ARG:HD2	16	0.26
(2,3319)	1:109:A:THR:HG22	1:104:A:ARG:HD2	16	0.26
(2,3319)	1:109:A:THR:HG23	1:104:A:ARG:HD2	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3319)	1:109:A:THR:HG21	1:104:A:ARG:HD3	16	0.26
(2,3319)	1:109:A:THR:HG22	1:104:A:ARG:HD3	16	0.26
(2,3319)	1:109:A:THR:HG23	1:104:A:ARG:HD3	16	0.26
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	10	0.26
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	10	0.26
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	10	0.26
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	10	0.26
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	10	0.26
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	10	0.26
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	15	0.26
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	15	0.26
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	15	0.26
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	18	0.26
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	18	0.26
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	18	0.26
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD11	11	0.26
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD12	11	0.26
(2,3207)	1:127:A:ALA:HB1	1:102:A:LEU:HD13	11	0.26
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD11	11	0.26
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD12	11	0.26
(2,3207)	1:127:A:ALA:HB2	1:102:A:LEU:HD13	11	0.26
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD11	11	0.26
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD12	11	0.26
(2,3207)	1:127:A:ALA:HB3	1:102:A:LEU:HD13	11	0.26
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	7	0.26
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	7	0.26
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	7	0.26
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	10	0.26
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	10	0.26
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	10	0.26
(2,3091)	1:89:A:LEU:HA	1:89:A:LEU:HG	10	0.26
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	4	0.26
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	15	0.26
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	10	0.26
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	11	0.26
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	15	0.26
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	16	0.26
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	4	0.26
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	4	0.26
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	4	0.26
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	4	0.26
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	4	0.26
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	16	0.26
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	16	0.26
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	16	0.26
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	16	0.26
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	16	0.26
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	16	0.26
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG11	17	0.26
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG12	17	0.26
(2,2746)	1:38:A:GLN:HG3	1:35:A:VAL:HG13	17	0.26
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG11	17	0.26
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG12	17	0.26
(2,2746)	1:38:A:GLN:HG2	1:35:A:VAL:HG13	17	0.26
(2,2730)	1:98:A:PRO:HD3	1:97:A:VAL:HB	18	0.26
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	13	0.26
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	13	0.26
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	13	0.26
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	14	0.26
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	14	0.26
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	14	0.26
(2,2552)	1:129:A:ALA:H	1:136:A:GLU:HG3	14	0.26
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	9	0.26
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	15	0.26
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	3	0.26
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	9	0.26
(2,2460)	1:77:A:LEU:H	1:76:A:ASN:HB3	9	0.26
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE1	8	0.26
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE2	8	0.26
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE3	8	0.26
(2,2366)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	3	0.26
(2,2366)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	3	0.26
(2,2366)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	3	0.26
(2,2315)	1:159:A:ALA:HA	1:161:A:LEU:HB3	5	0.26
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	4	0.26
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	4	0.26
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD3	7	0.26
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD2	7	0.26
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD3	17	0.26
(2,2255)	1:88:A:ARG:HB2	1:88:A:ARG:HD2	17	0.26
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	18	0.26
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	18	0.26
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	18	0.26
(2,2246)	1:104:A:ARG:HD3	1:105:A:THR:H	11	0.26
(2,2246)	1:104:A:ARG:HD2	1:105:A:THR:H	11	0.26
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	2	0.26
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	2	0.26
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	2	0.26
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	17	0.26
(2,2116)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	3	0.26
(2,2116)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	3	0.26
(2,2116)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	3	0.26
(2,2116)	1:67:A:VAL:HG11	1:64:A:GLY:HA2	3	0.26
(2,2116)	1:67:A:VAL:HG12	1:64:A:GLY:HA2	3	0.26
(2,2116)	1:67:A:VAL:HG13	1:64:A:GLY:HA2	3	0.26
(2,2116)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	3	0.26
(2,2116)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	3	0.26
(2,2116)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	3	0.26
(2,2116)	1:67:A:VAL:HG11	1:64:A:GLY:HA3	3	0.26
(2,2116)	1:67:A:VAL:HG12	1:64:A:GLY:HA3	3	0.26
(2,2116)	1:67:A:VAL:HG13	1:64:A:GLY:HA3	3	0.26
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	12	0.26
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	12	0.26
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	12	0.26
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	13	0.26
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	9	0.26
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	3	0.26
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	9	0.26
(2,2097)	1:164:A:THR:H	1:163:A:GLY:HA3	12	0.26
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	4	0.26
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	4	0.26
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	4	0.26
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	8	0.26
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	8	0.26
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	8	0.26
(2,2028)	1:149:A:VAL:HG21	1:98:A:PRO:HD2	4	0.26
(2,2028)	1:149:A:VAL:HG22	1:98:A:PRO:HD2	4	0.26
(2,2028)	1:149:A:VAL:HG23	1:98:A:PRO:HD2	4	0.26
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	1	0.26
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	12	0.26
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	12	0.26
(2,1845)	1:146:A:GLN:HA	1:146:A:GLN:HG3	15	0.26
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	6	0.26
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	6	0.26
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	7	0.26
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	7	0.26
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	7	0.26
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	8	0.26
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	8	0.26
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	8	0.26
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	20	0.26
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	20	0.26
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	20	0.26
(2,1763)	1:75:A:GLN:HA	1:75:A:GLN:HG3	16	0.26
(2,1763)	1:75:A:GLN:HA	1:75:A:GLN:HG2	16	0.26
(2,1751)	1:60:A:GLU:H	1:59:A:GLU:HA	13	0.26
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	10	0.26
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	17	0.26
(2,1709)	1:121:A:ASP:HB2	1:120:A:PHE:HA	14	0.26
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	8	0.26
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	8	0.26
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	8	0.26
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	9	0.26
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	9	0.26
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	9	0.26
(2,1529)	1:130:A:THR:HA	1:135:A:SER:HB3	15	0.26
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	10	0.26
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	10	0.26
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	10	0.26
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	5	0.26
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	5	0.26
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	5	0.26
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	11	0.26
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	11	0.26
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	11	0.26
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	11	0.26
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	16	0.26
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	19	0.26
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	9	0.26
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	9	0.26
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	9	0.26
(2,1327)	1:173:A:SER:H	1:172:A:THR:HB	15	0.26
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	6	0.26
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	20	0.26
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	10	0.26
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	13	0.26
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	8	0.26
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	15	0.26
(2,1231)	1:63:A:ASP:HA	1:64:A:GLY:H	19	0.26
(2,1084)	1:130:A:THR:H	1:131:A:ALA:HB1	9	0.26
(2,1084)	1:130:A:THR:H	1:131:A:ALA:HB2	9	0.26
(2,1084)	1:130:A:THR:H	1:131:A:ALA:HB3	9	0.26
(2,985)	1:92:A:THR:H	1:91:A:SER:HB2	14	0.26
(2,985)	1:92:A:THR:H	1:91:A:SER:HB2	18	0.26
(2,981)	1:90:A:GLY:H	1:92:A:THR:H	2	0.26
(2,981)	1:90:A:GLY:H	1:92:A:THR:H	3	0.26
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	6	0.26
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	6	0.26
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	6	0.26
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	9	0.26
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	9	0.26
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	9	0.26
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	12	0.26
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	16	0.26
(2,727)	1:145:A:GLN:HB3	1:146:A:GLN:H	10	0.26
(2,727)	1:145:A:GLN:HB3	1:146:A:GLN:H	17	0.26
(2,714)	1:97:A:VAL:HB	1:101:A:ALA:H	9	0.26
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	14	0.26
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	14	0.26
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	14	0.26
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	5	0.26
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	2	0.26
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	2	0.26
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	2	0.26
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	11	0.26
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	11	0.26
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	11	0.26
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	18	0.26
(2,569)	1:72:A:ARG:HG2	1:73:A:VAL:H	3	0.26
(2,569)	1:72:A:ARG:HG3	1:73:A:VAL:H	3	0.26
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	17	0.26
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	5	0.26
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	14	0.26
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	16	0.26
(2,381)	1:77:A:LEU:H	1:78:A:GLY:HA3	18	0.26
(2,325)	1:63:A:ASP:HB3	1:69:A:ILE:H	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,325)	1:63:A:ASP:HB3	1:69:A:ILE:H	16	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	1	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	1	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	1	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	4	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	4	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	4	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	13	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	13	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	13	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	15	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	15	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	15	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	19	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	19	0.26
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	19	0.26
(2,121)	1:123:A:VAL:H	1:121:A:ASP:HB2	7	0.26
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD21	12	0.26
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD22	12	0.26
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD23	12	0.26
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD11	12	0.26
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD12	12	0.26
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD13	12	0.26
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	1	0.26
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	2	0.26
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	3	0.26
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	5	0.26
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	6	0.26
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	15	0.26
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	16	0.26
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	17	0.26
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	20	0.26
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	1	0.26
(1,507)	1:40:A:PHE:H	1:39:A:ARG:HD2	9	0.26
(1,491)	1:60:A:GLU:HA	1:60:A:GLU:H	9	0.26
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	9	0.26
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	9	0.26
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	9	0.26
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	1	0.26
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	9	0.26
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	9	0.26
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	16	0.26
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	6	0.26
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	6	0.26
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	12	0.26
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	12	0.26
(3,125)	1:50:A:ASP:HB3	1:50:A:ASP:H	13	0.25
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	4	0.25
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG21	4	0.25
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG22	4	0.25
(3,101)	1:55:A:PRO:HB2	1:27:A:ILE:HG23	4	0.25
(3,46)	1:39:A:ARG:HG3	1:31:A:ARG:HD2	3	0.25
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD2	15	0.25
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD3	15	0.25
(3,44)	1:39:A:ARG:HG3	1:31:A:ARG:HD3	15	0.25
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	18	0.25
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	18	0.25
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	18	0.25
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	18	0.25
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	18	0.25
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	18	0.25
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	6	0.25
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	6	0.25
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	6	0.25
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	5	0.25
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	5	0.25
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	5	0.25
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	7	0.25
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	7	0.25
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	7	0.25
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	7	0.25
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	7	0.25
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	7	0.25
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE1	19	0.25
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE2	19	0.25
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE3	19	0.25
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE1	19	0.25
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE2	19	0.25
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE3	19	0.25
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE1	19	0.25
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE2	19	0.25
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE3	19	0.25
(2,3476)	1:123:A:VAL:HG11	1:115:A:LYS:HD2	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3476)	1:123:A:VAL:HG12	1:115:A:LYS:HD2	11	0.25
(2,3476)	1:123:A:VAL:HG13	1:115:A:LYS:HD2	11	0.25
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD2	11	0.25
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD2	11	0.25
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD2	11	0.25
(2,3476)	1:123:A:VAL:HG21	1:115:A:LYS:HD3	11	0.25
(2,3476)	1:123:A:VAL:HG22	1:115:A:LYS:HD3	11	0.25
(2,3476)	1:123:A:VAL:HG23	1:115:A:LYS:HD3	11	0.25
(2,3475)	1:67:A:VAL:HG21	1:69:A:ILE:HG12	9	0.25
(2,3475)	1:67:A:VAL:HG22	1:69:A:ILE:HG12	9	0.25
(2,3475)	1:67:A:VAL:HG23	1:69:A:ILE:HG12	9	0.25
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	3	0.25
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	3	0.25
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	3	0.25
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	12	0.25
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	12	0.25
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	12	0.25
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	5	0.25
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	5	0.25
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	5	0.25
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	5	0.25
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	5	0.25
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	5	0.25
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	5	0.25
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	5	0.25
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	5	0.25
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	5	0.25
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	5	0.25
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	5	0.25
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	5	0.25
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	5	0.25
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	5	0.25
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	5	0.25
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	5	0.25
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	5	0.25
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	13	0.25
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	13	0.25
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	13	0.25
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	13	0.25
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	13	0.25
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	13	0.25
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	16	0.25
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	16	0.25
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	16	0.25
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	16	0.25
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	16	0.25
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	16	0.25
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	16	0.25
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	16	0.25
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	10	0.25
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	10	0.25
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	10	0.25
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD11	5	0.25
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD12	5	0.25
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD13	5	0.25
(2,3215)	1:126:A:LYS:HD2	1:126:A:LYS:HG2	4	0.25
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	16	0.25
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	1	0.25
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	3	0.25
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	9	0.25
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	6	0.25
(2,2845)	1:38:A:GLN:HA	1:39:A:ARG:HB3	7	0.25
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	10	0.25
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	10	0.25
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	10	0.25
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	7	0.25
(2,2718)	1:75:A:GLN:HG2	1:77:A:LEU:HD21	12	0.25
(2,2718)	1:75:A:GLN:HG2	1:77:A:LEU:HD22	12	0.25
(2,2718)	1:75:A:GLN:HG2	1:77:A:LEU:HD23	12	0.25
(2,2718)	1:75:A:GLN:HG3	1:77:A:LEU:HD21	12	0.25
(2,2718)	1:75:A:GLN:HG3	1:77:A:LEU:HD22	12	0.25
(2,2718)	1:75:A:GLN:HG3	1:77:A:LEU:HD23	12	0.25
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	18	0.25
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	18	0.25
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	18	0.25
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	3	0.25
(2,2597)	1:142:A:LYS:HB2	1:145:A:GLN:HG2	15	0.25
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	1	0.25
(2,2506)	1:88:A:ARG:HG3	1:93:A:GLU:HG3	9	0.25
(2,2499)	1:88:A:ARG:HD2	1:93:A:GLU:HG3	4	0.25
(2,2499)	1:88:A:ARG:HD3	1:93:A:GLU:HG3	4	0.25
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	16	0.25
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2366)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	16	0.25
(2,2366)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	16	0.25
(2,2366)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	16	0.25
(2,2366)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	19	0.25
(2,2366)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	19	0.25
(2,2366)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	19	0.25
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	1	0.25
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	1	0.25
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	1	0.25
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	14	0.25
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	14	0.25
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	14	0.25
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	15	0.25
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	15	0.25
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	15	0.25
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	20	0.25
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	20	0.25
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	20	0.25
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	6	0.25
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	5	0.25
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	5	0.25
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	5	0.25
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	11	0.25
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	11	0.25
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	2	0.25
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	2	0.25
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	20	0.25
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	20	0.25
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	20	0.25
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	1	0.25
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	1	0.25
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	1	0.25
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	17	0.25
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	8	0.25
(2,2101)	1:162:A:ARG:HD2	1:163:A:GLY:HA3	1	0.25
(2,2101)	1:162:A:ARG:HD2	1:163:A:GLY:HA2	1	0.25
(2,2101)	1:162:A:ARG:HD3	1:163:A:GLY:HA3	1	0.25
(2,2101)	1:162:A:ARG:HD3	1:163:A:GLY:HA2	1	0.25
(2,2101)	1:162:A:ARG:HD2	1:163:A:GLY:HA3	15	0.25
(2,2101)	1:162:A:ARG:HD2	1:163:A:GLY:HA2	15	0.25
(2,2101)	1:162:A:ARG:HD3	1:163:A:GLY:HA3	15	0.25
(2,2101)	1:162:A:ARG:HD3	1:163:A:GLY:HA2	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	4	0.25
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	4	0.25
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	4	0.25
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	10	0.25
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	12	0.25
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	18	0.25
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	19	0.25
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	2	0.25
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	2	0.25
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	2	0.25
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	3	0.25
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	3	0.25
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	3	0.25
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	4	0.25
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	4	0.25
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	4	0.25
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	14	0.25
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	14	0.25
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	14	0.25
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	10	0.25
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	19	0.25
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	4	0.25
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	16	0.25
(2,1726)	1:60:A:GLU:HB2	1:60:A:GLU:HA	5	0.25
(2,1709)	1:121:A:ASP:HB2	1:120:A:PHE:HA	8	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	1	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	1	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	1	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	2	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	2	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	2	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	3	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	3	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	3	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	5	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	5	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	5	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	6	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	6	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	6	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	7	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	7	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	10	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	10	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	10	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	13	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	13	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	13	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	15	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	15	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	15	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	17	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	17	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	17	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	20	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	20	0.25
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	20	0.25
(2,1623)	1:55:A:PRO:HB3	1:30:A:TRP:HA	13	0.25
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	16	0.25
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	13	0.25
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	13	0.25
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	13	0.25
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	3	0.25
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	3	0.25
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	20	0.25
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	1	0.25
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	9	0.25
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	19	0.25
(2,1250)	1:162:A:ARG:HG2	1:163:A:GLY:H	4	0.25
(2,1234)	1:62:A:ALA:HA	1:64:A:GLY:H	6	0.25
(2,1215)	1:140:A:GLY:H	1:141:A:LEU:HA	12	0.25
(2,1212)	1:128:A:GLY:H	1:138:A:LEU:HG	9	0.25
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	5	0.25
(2,1135)	1:90:A:GLY:H	1:91:A:SER:HB3	6	0.25
(2,1099)	1:102:A:LEU:H	1:135:A:SER:HB3	12	0.25
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	10	0.25
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	10	0.25
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	10	0.25
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	10	0.25
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	10	0.25
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	10	0.25
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	12	0.25
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	12	0.25
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	12	0.25
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	12	0.25
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	12	0.25
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	16	0.25
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	16	0.25
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	16	0.25
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	16	0.25
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	16	0.25
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	16	0.25
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	7	0.25
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	7	0.25
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	7	0.25
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	1	0.25
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB1	19	0.25
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB2	19	0.25
(2,802)	1:67:A:VAL:H	1:65:A:ALA:HB3	19	0.25
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	8	0.25
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	15	0.25
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	19	0.25
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	7	0.25
(2,707)	1:167:A:ARG:H	1:167:A:ARG:HD2	16	0.25
(2,707)	1:167:A:ARG:H	1:167:A:ARG:HD3	16	0.25
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	4	0.25
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	13	0.25
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	2	0.25
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	2	0.25
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	2	0.25
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	7	0.25
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	7	0.25
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	7	0.25
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	12	0.25
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	12	0.25
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	12	0.25
(2,637)	1:70:A:ASP:HA	1:72:A:ARG:H	8	0.25
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	20	0.25
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	7	0.25
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	4	0.25
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	4	0.25
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	4	0.25
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	4	0.25
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	10	0.25
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	6	0.25
(2,322)	1:68:A:ARG:HA	1:69:A:ILE:H	1	0.25
(2,321)	1:63:A:ASP:HA	1:69:A:ILE:H	4	0.25
(2,321)	1:63:A:ASP:HA	1:69:A:ILE:H	4	0.25
(2,264)	1:20:A:GLU:H	1:21:A:LEU:H	1	0.25
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	12	0.25
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	12	0.25
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	12	0.25
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	15	0.25
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	3	0.25
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	3	0.25
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	3	0.25
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	5	0.25
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	5	0.25
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	5	0.25
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG11	11	0.25
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG12	11	0.25
(2,136)	1:84:A:VAL:H	1:84:A:VAL:HG13	11	0.25
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	13	0.25
(2,100)	1:138:A:LEU:HD11	1:138:A:LEU:H	4	0.25
(2,100)	1:138:A:LEU:HD12	1:138:A:LEU:H	4	0.25
(2,100)	1:138:A:LEU:HD13	1:138:A:LEU:H	4	0.25
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	15	0.25
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	8	0.25
(2,33)	1:127:A:ALA:H	1:126:A:LYS:HG3	1	0.25
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	11	0.25
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	13	0.25
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	18	0.25
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	19	0.25
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	2	0.25
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG21	4	0.25
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG22	4	0.25
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG23	4	0.25
(1,609)	1:38:A:GLN:HE22	1:39:A:ARG:HA	14	0.25
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	11	0.25
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	20	0.25
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	11	0.25
(1,601)	1:49:A:MET:H	1:49:A:MET:HG3	6	0.25
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	3	0.25
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	3	0.25
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	9	0.25
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	9	0.25
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	9	0.25
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	11	0.25
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	11	0.25
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	11	0.25
(1,362)	1:53:A:LEU:HD21	1:32:A:ASP:HB2	11	0.25
(1,362)	1:53:A:LEU:HD22	1:32:A:ASP:HB2	11	0.25
(1,362)	1:53:A:LEU:HD23	1:32:A:ASP:HB2	11	0.25
(1,343)	1:26:A:ARG:H	1:26:A:ARG:HG2	8	0.25
(1,343)	1:26:A:ARG:H	1:26:A:ARG:HG2	13	0.25
(1,261)	1:58:A:GLU:HG3	1:60:A:GLU:H	19	0.25
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	20	0.25
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	14	0.25
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	3	0.25
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	3	0.25
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	4	0.25
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	4	0.25
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	6	0.25
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	6	0.25
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	14	0.25
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	14	0.25
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	2	0.25
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	2	0.25
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	3	0.25
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	3	0.25
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	20	0.25
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	20	0.25
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	2	0.24
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	2	0.24
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	18	0.24
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	18	0.24
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	9	0.24
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	20	0.24
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	10	0.24
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	10	0.24
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	10	0.24
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	6	0.24
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	6	0.24
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	6	0.24
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	15	0.24
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	15	0.24
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	15	0.24
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	20	0.24
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	9	0.24
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	9	0.24
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	9	0.24
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	12	0.24
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	12	0.24
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	12	0.24
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	12	0.24
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	12	0.24
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	12	0.24
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG21	14	0.24
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG22	14	0.24
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG23	14	0.24
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG21	18	0.24
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG22	18	0.24
(2,3566)	1:166:A:ALA:HB1	1:172:A:THR:HG23	18	0.24
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG21	18	0.24
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG22	18	0.24
(2,3566)	1:166:A:ALA:HB2	1:172:A:THR:HG23	18	0.24
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG21	18	0.24
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG22	18	0.24
(2,3566)	1:166:A:ALA:HB3	1:172:A:THR:HG23	18	0.24
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB1	20	0.24
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB2	20	0.24
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB3	20	0.24
(2,3553)	1:19:A:ALA:HB1	1:19:A:ALA:H	15	0.24
(2,3553)	1:19:A:ALA:HB2	1:19:A:ALA:H	15	0.24
(2,3553)	1:19:A:ALA:HB3	1:19:A:ALA:H	15	0.24
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	5	0.24
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	5	0.24
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	5	0.24
(2,3521)	1:49:A:MET:HE1	1:34:A:MET:HA	20	0.24
(2,3521)	1:49:A:MET:HE2	1:34:A:MET:HA	20	0.24
(2,3521)	1:49:A:MET:HE3	1:34:A:MET:HA	20	0.24
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE1	8	0.24
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE2	8	0.24
(2,3505)	1:53:A:LEU:HB2	1:51:A:MET:HE3	8	0.24
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	12	0.24
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	12	0.24
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	8	0.24
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	8	0.24
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	8	0.24
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG11	6	0.24
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG12	6	0.24
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG13	6	0.24
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	6	0.24
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	6	0.24
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	6	0.24
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	6	0.24
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	6	0.24
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	6	0.24
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	6	0.24
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	6	0.24
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	6	0.24
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	10	0.24
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	10	0.24
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	10	0.24
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	10	0.24
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	10	0.24
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	10	0.24
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	10	0.24
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	10	0.24
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	10	0.24
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	11	0.24
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	11	0.24
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	11	0.24
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	16	0.24
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	16	0.24
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	16	0.24
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	10	0.24
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	10	0.24
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	10	0.24
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	6	0.24
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	6	0.24
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	6	0.24
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	17	0.24
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	17	0.24
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	17	0.24
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	10	0.24
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	10	0.24
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	10	0.24
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	10	0.24
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	10	0.24
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	10	0.24
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	10	0.24
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	10	0.24
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	17	0.24
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	17	0.24
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	17	0.24
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	17	0.24
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	17	0.24
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	17	0.24
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	17	0.24
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	17	0.24
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	17	0.24
(2,3297)	1:113:A:VAL:HG21	1:121:A:ASP:HB3	13	0.24
(2,3297)	1:113:A:VAL:HG22	1:121:A:ASP:HB3	13	0.24
(2,3297)	1:113:A:VAL:HG23	1:121:A:ASP:HB3	13	0.24
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD11	1	0.24
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD12	1	0.24
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD13	1	0.24
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	1	0.24
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	1	0.24
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	1	0.24
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	2	0.24
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	2	0.24
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	2	0.24
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	18	0.24
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	18	0.24
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	18	0.24
(2,3128)	1:68:A:ARG:HA	1:68:A:ARG:HG3	5	0.24
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	11	0.24
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	5	0.24
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	19	0.24
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	17	0.24
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	10	0.24
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	16	0.24
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	2	0.24
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	4	0.24
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	16	0.24
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	1	0.24
(2,2909)	1:84:A:VAL:HB	1:84:A:VAL:H	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2761)	1:147:A:VAL:H	1:146:A:GLN:HG2	3	0.24
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	5	0.24
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	5	0.24
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	5	0.24
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	17	0.24
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	17	0.24
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	17	0.24
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	8	0.24
(2,2571)	1:158:A:GLU:HA	1:158:A:GLU:HG2	13	0.24
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	20	0.24
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	7	0.24
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	15	0.24
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	14	0.24
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	14	0.24
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	14	0.24
(2,2443)	1:26:A:ARG:HA	1:27:A:ILE:HB	16	0.24
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB1	19	0.24
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB2	19	0.24
(2,2388)	1:63:A:ASP:HB3	1:66:A:ALA:HB3	19	0.24
(2,2373)	1:32:A:ASP:HB3	1:35:A:VAL:HB	3	0.24
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	4	0.24
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	4	0.24
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	4	0.24
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	2	0.24
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	2	0.24
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	2	0.24
(2,2339)	1:137:A:ILE:HG21	1:95:A:LEU:HB3	14	0.24
(2,2339)	1:137:A:ILE:HG22	1:95:A:LEU:HB3	14	0.24
(2,2339)	1:137:A:ILE:HG23	1:95:A:LEU:HB3	14	0.24
(2,2276)	1:109:A:THR:HG21	1:104:A:ARG:HD2	16	0.24
(2,2276)	1:109:A:THR:HG22	1:104:A:ARG:HD2	16	0.24
(2,2276)	1:109:A:THR:HG23	1:104:A:ARG:HD2	16	0.24
(2,2276)	1:109:A:THR:HG21	1:104:A:ARG:HD3	16	0.24
(2,2276)	1:109:A:THR:HG22	1:104:A:ARG:HD3	16	0.24
(2,2276)	1:109:A:THR:HG23	1:104:A:ARG:HD3	16	0.24
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	8	0.24
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	8	0.24
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	8	0.24
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	3	0.24
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	18	0.24
(2,2222)	1:88:A:ARG:HB3	1:94:A:ARG:HD2	16	0.24
(2,2217)	1:95:A:LEU:H	1:94:A:ARG:HD2	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2174)	1:128:A:GLY:HA2	1:138:A:LEU:HB2	18	0.24
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	15	0.24
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	15	0.24
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	15	0.24
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	20	0.24
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	20	0.24
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	20	0.24
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	11	0.24
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	11	0.24
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	11	0.24
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	15	0.24
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	15	0.24
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	15	0.24
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	20	0.24
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	20	0.24
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	20	0.24
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	18	0.24
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	6	0.24
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	6	0.24
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	6	0.24
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	17	0.24
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	17	0.24
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	17	0.24
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	11	0.24
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	11	0.24
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	6	0.24
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	6	0.24
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	11	0.24
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	8	0.24
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	1	0.24
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	1	0.24
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	1	0.24
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	5	0.24
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	5	0.24
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	5	0.24
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	15	0.24
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	15	0.24
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	15	0.24
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	16	0.24
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	16	0.24
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	16	0.24
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	19	0.24
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	19	0.24
(2,1746)	1:73:A:VAL:H	1:72:A:ARG:HA	14	0.24
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	1	0.24
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	9	0.24
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	18	0.24
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	12	0.24
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	12	0.24
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	12	0.24
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	18	0.24
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	18	0.24
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	18	0.24
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG21	19	0.24
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG22	19	0.24
(2,1658)	1:147:A:VAL:HA	1:147:A:VAL:HG23	19	0.24
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	10	0.24
(2,1587)	1:103:A:ILE:HG21	1:105:A:THR:HA	11	0.24
(2,1587)	1:103:A:ILE:HG22	1:105:A:THR:HA	11	0.24
(2,1587)	1:103:A:ILE:HG23	1:105:A:THR:HA	11	0.24
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	13	0.24
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	14	0.24
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	14	0.24
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	14	0.24
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	8	0.24
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	8	0.24
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	8	0.24
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	16	0.24
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	16	0.24
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	16	0.24
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	19	0.24
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	19	0.24
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	19	0.24
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	12	0.24
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	12	0.24
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	3	0.24
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	13	0.24
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	8	0.24
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	8	0.24
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	8	0.24
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	3	0.24
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	16	0.24
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	1	0.24
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	9	0.24
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	15	0.24
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	20	0.24
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	5	0.24
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	8	0.24
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	20	0.24
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	1	0.24
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	1	0.24
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	1	0.24
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	1	0.24
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	1	0.24
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	1	0.24
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	20	0.24
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	20	0.24
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	20	0.24
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	20	0.24
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	20	0.24
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	20	0.24
(2,1020)	1:139:A:GLU:H	1:139:A:GLU:HG3	9	0.24
(2,978)	1:89:A:LEU:H	1:92:A:THR:H	4	0.24
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	14	0.24
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	14	0.24
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	14	0.24
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	17	0.24
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	17	0.24
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	17	0.24
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	6	0.24
(2,744)	1:79:A:VAL:H	1:80:A:ARG:HB2	20	0.24
(2,697)	1:19:A:ALA:HB1	1:20:A:GLU:H	15	0.24
(2,697)	1:19:A:ALA:HB2	1:20:A:GLU:H	15	0.24
(2,697)	1:19:A:ALA:HB3	1:20:A:GLU:H	15	0.24
(2,675)	1:134:A:GLN:H	1:135:A:SER:HA	13	0.24
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	17	0.24
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	17	0.24
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	17	0.24
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	10	0.24
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	19	0.24
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	3	0.24
(2,610)	1:51:A:MET:H	1:45:A:LYS:HA	5	0.24
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	14	0.24
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	16	0.24
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	11	0.24
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	6	0.24
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	6	0.24
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	6	0.24
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	17	0.24
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	17	0.24
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	17	0.24
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	13	0.24
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	13	0.24
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	13	0.24
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	5	0.24
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	13	0.24
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	13	0.24
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	13	0.24
(2,324)	1:158:A:GLU:H	1:162:A:ARG:HD2	12	0.24
(2,324)	1:158:A:GLU:H	1:162:A:ARG:HD3	12	0.24
(2,308)	1:58:A:GLU:HG2	1:59:A:GLU:H	1	0.24
(2,268)	1:18:A:GLY:HA3	1:21:A:LEU:H	4	0.24
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	19	0.24
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	7	0.24
(2,50)	1:85:A:LYS:H	1:144:A:GLY:H	14	0.24
(2,32)	1:127:A:ALA:H	1:138:A:LEU:HB2	3	0.24
(2,32)	1:127:A:ALA:H	1:138:A:LEU:HB2	6	0.24
(2,8)	1:129:A:ALA:H	1:128:A:GLY:HA3	8	0.24
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	10	0.24
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	5	0.24
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	6	0.24
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	12	0.24
(1,605)	1:38:A:GLN:HE22	1:38:A:GLN:HA	18	0.24
(1,489)	1:58:A:GLU:HG3	1:59:A:GLU:H	10	0.24
(1,459)	1:46:A:SER:HB3	1:53:A:LEU:HD21	10	0.24
(1,459)	1:46:A:SER:HB3	1:53:A:LEU:HD22	10	0.24
(1,459)	1:46:A:SER:HB3	1:53:A:LEU:HD23	10	0.24
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	6	0.24
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	6	0.24
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	6	0.24
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	18	0.24
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	18	0.24
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	18	0.24
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	18	0.24
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	18	0.24
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	18	0.24
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	18	0.24
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	18	0.24
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	5	0.24
(1,261)	1:58:A:GLU:HG3	1:60:A:GLU:H	7	0.24
(1,149)	1:27:A:ILE:HD11	1:59:A:GLU:HA	20	0.24
(1,149)	1:27:A:ILE:HD12	1:59:A:GLU:HA	20	0.24
(1,149)	1:27:A:ILE:HD13	1:59:A:GLU:HA	20	0.24
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	9	0.24
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	2	0.24
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	2	0.24
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	11	0.24
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	11	0.24
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	20	0.24
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	20	0.24
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	11	0.23
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	11	0.23
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	14	0.23
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	14	0.23
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	6	0.23
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	14	0.23
(3,125)	1:50:A:ASP:HB3	1:50:A:ASP:H	12	0.23
(3,62)	1:48:A:TYR:H	1:49:A:MET:HG3	5	0.23
(3,45)	1:39:A:ARG:HB2	1:31:A:ARG:HD2	17	0.23
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	10	0.23
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	10	0.23
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	10	0.23
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	9	0.23
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	9	0.23
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	9	0.23
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	17	0.23
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	17	0.23
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	17	0.23
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE1	4	0.23
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE2	4	0.23
(2,3644)	1:110:A:ILE:HG21	1:112:A:MET:HE3	4	0.23
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE1	4	0.23
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE2	4	0.23
(2,3644)	1:110:A:ILE:HG22	1:112:A:MET:HE3	4	0.23
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE1	4	0.23
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE2	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3644)	1:110:A:ILE:HG23	1:112:A:MET:HE3	4	0.23
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE1	13	0.23
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE2	13	0.23
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE3	13	0.23
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	11	0.23
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	11	0.23
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	11	0.23
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	19	0.23
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	19	0.23
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	19	0.23
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	5	0.23
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	5	0.23
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	5	0.23
(2,3553)	1:19:A:ALA:HB1	1:19:A:ALA:H	16	0.23
(2,3553)	1:19:A:ALA:HB2	1:19:A:ALA:H	16	0.23
(2,3553)	1:19:A:ALA:HB3	1:19:A:ALA:H	16	0.23
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	6	0.23
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	6	0.23
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	6	0.23
(2,3534)	1:129:A:ALA:HB1	1:130:A:THR:HA	12	0.23
(2,3534)	1:129:A:ALA:HB2	1:130:A:THR:HA	12	0.23
(2,3534)	1:129:A:ALA:HB3	1:130:A:THR:HA	12	0.23
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE1	15	0.23
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE2	15	0.23
(2,3519)	1:46:A:SER:HB2	1:49:A:MET:HE3	15	0.23
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE1	18	0.23
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE2	18	0.23
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE3	18	0.23
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	9	0.23
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	9	0.23
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	9	0.23
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	5	0.23
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	5	0.23
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	5	0.23
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	19	0.23
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	19	0.23
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	19	0.23
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	3	0.23
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	3	0.23
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	3	0.23
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	16	0.23
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	16	0.23
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	6	0.23
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	6	0.23
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	6	0.23
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	14	0.23
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	14	0.23
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	14	0.23
(2,3292)	1:82:A:ALA:HB1	1:98:A:PRO:HB3	15	0.23
(2,3292)	1:82:A:ALA:HB2	1:98:A:PRO:HB3	15	0.23
(2,3292)	1:82:A:ALA:HB3	1:98:A:PRO:HB3	15	0.23
(2,3215)	1:126:A:LYS:HD2	1:126:A:LYS:HG2	8	0.23
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	18	0.23
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	9	0.23
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	9	0.23
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	9	0.23
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	12	0.23
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	12	0.23
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	12	0.23
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	4	0.23
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	4	0.23
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	4	0.23
(2,3128)	1:68:A:ARG:HA	1:68:A:ARG:HG3	20	0.23
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	18	0.23
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	12	0.23
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	15	0.23
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	18	0.23
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	1	0.23
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	19	0.23
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	19	0.23
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	19	0.23
(2,2980)	1:75:A:GLN:H	1:75:A:GLN:HB3	3	0.23
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	8	0.23
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	1	0.23
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	2	0.23
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	16	0.23
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	7	0.23
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	17	0.23
(2,2807)	1:149:A:VAL:HG21	1:148:A:VAL:HB	8	0.23
(2,2807)	1:149:A:VAL:HG22	1:148:A:VAL:HB	8	0.23
(2,2807)	1:149:A:VAL:HG23	1:148:A:VAL:HB	8	0.23
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	12	0.23
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	12	0.23
(2,2647)	1:127:A:ALA:H	1:126:A:LYS:HB2	4	0.23
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	18	0.23
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	2	0.23
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	7	0.23
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD21	7	0.23
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD22	7	0.23
(2,2531)	1:136:A:GLU:HG2	1:138:A:LEU:HD23	7	0.23
(2,2452)	1:61:A:ASN:HB2	1:63:A:ASP:H	12	0.23
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	13	0.23
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	13	0.23
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	13	0.23
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	20	0.23
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	20	0.23
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE2	14	0.23
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE3	14	0.23
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD11	15	0.23
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD12	15	0.23
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD13	15	0.23
(2,2246)	1:104:A:ARG:HD3	1:105:A:THR:H	5	0.23
(2,2246)	1:104:A:ARG:HD2	1:105:A:THR:H	5	0.23
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	4	0.23
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	4	0.23
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	4	0.23
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	6	0.23
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	6	0.23
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	6	0.23
(2,2217)	1:95:A:LEU:H	1:94:A:ARG:HD2	4	0.23
(2,2212)	1:113:A:VAL:HB	1:121:A:ASP:HB2	14	0.23
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	11	0.23
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	11	0.23
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	11	0.23
(2,2142)	1:24:A:GLY:HA3	1:25:A:LYS:HB3	8	0.23
(2,2112)	1:78:A:GLY:HA3	1:79:A:VAL:HB	6	0.23
(2,2112)	1:78:A:GLY:HA2	1:79:A:VAL:HB	6	0.23
(2,2107)	1:71:A:GLY:HA2	1:71:A:GLY:H	10	0.23
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	13	0.23
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	16	0.23
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	16	0.23
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	4	0.23
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	7	0.23
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1955)	1:128:A:GLY:HA3	1:129:A:ALA:HA	9	0.23
(2,1955)	1:128:A:GLY:HA3	1:129:A:ALA:HA	12	0.23
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	16	0.23
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	16	0.23
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	9	0.23
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	2	0.23
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	2	0.23
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	2	0.23
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	2	0.23
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	9	0.23
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	9	0.23
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	9	0.23
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	9	0.23
(2,1751)	1:60:A:GLU:H	1:59:A:GLU:HA	9	0.23
(2,1751)	1:60:A:GLU:H	1:59:A:GLU:HA	14	0.23
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	6	0.23
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	2	0.23
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	15	0.23
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	13	0.23
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	15	0.23
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	19	0.23
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	19	0.23
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	19	0.23
(2,1486)	1:79:A:VAL:HA	1:79:A:VAL:HG11	5	0.23
(2,1486)	1:79:A:VAL:HA	1:79:A:VAL:HG12	5	0.23
(2,1486)	1:79:A:VAL:HA	1:79:A:VAL:HG13	5	0.23
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	13	0.23
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	1	0.23
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	1	0.23
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	1	0.23
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	17	0.23
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	15	0.23
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	15	0.23
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	15	0.23
(2,1332)	1:74:A:THR:H	1:74:A:THR:HB	10	0.23
(2,1331)	1:172:A:THR:H	1:172:A:THR:HB	14	0.23
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	5	0.23
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	18	0.23
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	18	0.23
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	18	0.23
(2,1253)	1:116:A:GLY:H	1:119:A:GLY:H	20	0.23
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD11	3	0.23
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD12	3	0.23
(2,1168)	1:38:A:GLN:HE21	1:53:A:LEU:HD13	3	0.23
(2,1162)	1:48:A:TYR:HB3	1:49:A:MET:H	13	0.23
(2,1076)	1:123:A:VAL:HG21	1:141:A:LEU:H	15	0.23
(2,1076)	1:123:A:VAL:HG22	1:141:A:LEU:H	15	0.23
(2,1076)	1:123:A:VAL:HG23	1:141:A:LEU:H	15	0.23
(2,1076)	1:123:A:VAL:HG11	1:141:A:LEU:H	15	0.23
(2,1076)	1:123:A:VAL:HG12	1:141:A:LEU:H	15	0.23
(2,1076)	1:123:A:VAL:HG13	1:141:A:LEU:H	15	0.23
(2,1072)	1:137:A:ILE:HB	1:141:A:LEU:H	6	0.23
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	15	0.23
(2,1038)	1:21:A:LEU:HB3	1:23:A:THR:H	12	0.23
(2,981)	1:90:A:GLY:H	1:92:A:THR:H	13	0.23
(2,978)	1:89:A:LEU:H	1:92:A:THR:H	5	0.23
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	4	0.23
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	9	0.23
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	1	0.23
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	4	0.23
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	10	0.23
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	11	0.23
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	13	0.23
(2,744)	1:79:A:VAL:H	1:80:A:ARG:HB2	10	0.23
(2,707)	1:167:A:ARG:H	1:167:A:ARG:HD2	1	0.23
(2,707)	1:167:A:ARG:H	1:167:A:ARG:HD3	1	0.23
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	10	0.23
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	13	0.23
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	5	0.23
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	5	0.23
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	5	0.23
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	16	0.23
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	16	0.23
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	16	0.23
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	8	0.23
(2,617)	1:51:A:MET:H	1:51:A:MET:HG3	11	0.23
(2,563)	1:53:A:LEU:HD21	1:45:A:LYS:H	18	0.23
(2,563)	1:53:A:LEU:HD22	1:45:A:LYS:H	18	0.23
(2,563)	1:53:A:LEU:HD23	1:45:A:LYS:H	18	0.23
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	4	0.23
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	7	0.23
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	18	0.23
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	8	0.23
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	8	0.23
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	9	0.23
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	9	0.23
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	9	0.23
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	11	0.23
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	11	0.23
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	11	0.23
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	3	0.23
(2,429)	1:67:A:VAL:HG21	1:165:A:VAL:H	2	0.23
(2,429)	1:67:A:VAL:HG22	1:165:A:VAL:H	2	0.23
(2,429)	1:67:A:VAL:HG23	1:165:A:VAL:H	2	0.23
(2,423)	1:76:A:ASN:H	1:77:A:LEU:H	2	0.23
(2,416)	1:74:A:THR:HA	1:75:A:GLN:H	9	0.23
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	15	0.23
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	12	0.23
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	3	0.23
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	3	0.23
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	3	0.23
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	9	0.23
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	9	0.23
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	9	0.23
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	19	0.23
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	19	0.23
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	19	0.23
(2,222)	1:137:A:ILE:H	1:94:A:ARG:HB3	5	0.23
(2,149)	1:113:A:VAL:H	1:120:A:PHE:HB2	10	0.23
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	3	0.23
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	13	0.23
(1,491)	1:60:A:GLU:HA	1:60:A:GLU:H	15	0.23
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG21	7	0.23
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG22	7	0.23
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG23	7	0.23
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	12	0.23
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	12	0.23
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	12	0.23
(1,343)	1:26:A:ARG:H	1:26:A:ARG:HG2	14	0.23
(1,282)	1:52:A:PRO:HD2	1:51:A:MET:HB3	6	0.23
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	8	0.23
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	7	0.23
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	7	0.23
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	12	0.23
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	11	0.23
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	11	0.23
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	20	0.23
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	20	0.23
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	12	0.22
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	12	0.22
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	1	0.22
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	1	0.22
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	1	0.22
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	16	0.22
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	16	0.22
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	16	0.22
(3,43)	1:24:A:GLY:HA3	1:25:A:LYS:HD3	11	0.22
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	11	0.22
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	11	0.22
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD1	18	0.22
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD2	18	0.22
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD1	18	0.22
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD2	18	0.22
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE1	6	0.22
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE2	6	0.22
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	1	0.22
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	1	0.22
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	1	0.22
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	20	0.22
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	20	0.22
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	20	0.22
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	7	0.22
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	7	0.22
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	7	0.22
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG21	20	0.22
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG22	20	0.22
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG23	20	0.22
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	11	0.22
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	11	0.22
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	11	0.22
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	19	0.22
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	19	0.22
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	19	0.22
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	20	0.22
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	20	0.22
(2,3521)	1:49:A:MET:HE1	1:34:A:MET:HA	2	0.22
(2,3521)	1:49:A:MET:HE2	1:34:A:MET:HA	2	0.22
(2,3521)	1:49:A:MET:HE3	1:34:A:MET:HA	2	0.22
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	9	0.22
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	9	0.22
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	9	0.22
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	18	0.22
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	18	0.22
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	18	0.22
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	2	0.22
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	2	0.22
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	2	0.22
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	5	0.22
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	5	0.22
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	5	0.22
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	13	0.22
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	13	0.22
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	13	0.22
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	18	0.22
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	18	0.22
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	18	0.22
(2,3215)	1:126:A:LYS:HD2	1:126:A:LYS:HG2	18	0.22
(2,3188)	1:21:A:LEU:HD21	1:23:A:THR:H	20	0.22
(2,3188)	1:21:A:LEU:HD22	1:23:A:THR:H	20	0.22
(2,3188)	1:21:A:LEU:HD23	1:23:A:THR:H	20	0.22
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD21	16	0.22
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD22	16	0.22
(2,3185)	1:21:A:LEU:HA	1:21:A:LEU:HD23	16	0.22
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD21	10	0.22
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD22	10	0.22
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD23	10	0.22
(2,3127)	1:69:A:ILE:HG21	1:72:A:ARG:HG2	20	0.22
(2,3127)	1:69:A:ILE:HG22	1:72:A:ARG:HG2	20	0.22
(2,3127)	1:69:A:ILE:HG23	1:72:A:ARG:HG2	20	0.22
(2,3115)	1:109:A:THR:H	1:108:A:ARG:HG2	20	0.22
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	9	0.22
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	9	0.22
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	9	0.22
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	11	0.22
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	11	0.22
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	8	0.22
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	10	0.22
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	6	0.22
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	7	0.22
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	13	0.22
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	15	0.22
(2,2763)	1:83:A:GLU:HA	1:146:A:GLN:HG3	15	0.22
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	2	0.22
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	20	0.22
(2,2740)	1:39:A:ARG:H	1:38:A:GLN:HG3	9	0.22
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	16	0.22
(2,2657)	1:126:A:LYS:HB3	1:139:A:GLU:HG3	5	0.22
(2,2636)	1:31:A:ARG:HB2	1:37:A:GLY:H	12	0.22
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	18	0.22
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	16	0.22
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	20	0.22
(2,2461)	1:75:A:GLN:H	1:76:A:ASN:HB3	20	0.22
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	9	0.22
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	10	0.22
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	10	0.22
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	10	0.22
(2,2379)	1:70:A:ASP:H	1:70:A:ASP:HB2	12	0.22
(2,2366)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	5	0.22
(2,2366)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	5	0.22
(2,2366)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	5	0.22
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	2	0.22
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	2	0.22
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE2	1	0.22
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE3	1	0.22
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE2	16	0.22
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE3	16	0.22
(2,2303)	1:124:A:GLU:HA	1:110:A:ILE:HB	19	0.22
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	8	0.22
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	8	0.22
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	8	0.22
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	20	0.22
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	20	0.22
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	20	0.22
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	7	0.22
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	7	0.22
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	7	0.22
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	14	0.22
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	14	0.22
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	9	0.22
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	9	0.22
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	9	0.22
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	1	0.22
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	1	0.22
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	1	0.22
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	18	0.22
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	18	0.22
(2,1975)	1:33:A:PRO:HG2	1:32:A:ASP:HA	19	0.22
(2,1964)	1:34:A:MET:HE1	1:33:A:PRO:HD3	20	0.22
(2,1964)	1:34:A:MET:HE2	1:33:A:PRO:HD3	20	0.22
(2,1964)	1:34:A:MET:HE3	1:33:A:PRO:HD3	20	0.22
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	3	0.22
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	3	0.22
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	8	0.22
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	8	0.22
(2,1853)	1:134:A:GLN:HA	1:99:A:SER:HB3	13	0.22
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	13	0.22
(2,1832)	1:53:A:LEU:HD11	1:53:A:LEU:HA	11	0.22
(2,1832)	1:53:A:LEU:HD12	1:53:A:LEU:HA	11	0.22
(2,1832)	1:53:A:LEU:HD13	1:53:A:LEU:HA	11	0.22
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG3	17	0.22
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG2	17	0.22
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	5	0.22
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	11	0.22
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	7	0.22
(2,1724)	1:61:A:ASN:H	1:60:A:GLU:HA	16	0.22
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	6	0.22
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	11	0.22
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	17	0.22
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	19	0.22
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	7	0.22
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	8	0.22
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	11	0.22
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	2	0.22
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	2	0.22
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	2	0.22
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	1	0.22
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	1	0.22
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	5	0.22
(2,1477)	1:74:A:THR:HA	1:75:A:GLN:H	9	0.22
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	5	0.22
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	8	0.22
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	4	0.22
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	9	0.22
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	17	0.22
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	7	0.22
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	1	0.22
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	1	0.22
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	1	0.22
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	9	0.22
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	9	0.22
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	9	0.22
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	12	0.22
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	12	0.22
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	12	0.22
(2,1331)	1:172:A:THR:H	1:172:A:THR:HB	13	0.22
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	4	0.22
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	18	0.22
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	18	0.22
(2,1159)	1:46:A:SER:HB3	1:49:A:MET:H	15	0.22
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	18	0.22
(2,1074)	1:141:A:LEU:H	1:141:A:LEU:HG	13	0.22
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	4	0.22
(2,1020)	1:139:A:GLU:H	1:139:A:GLU:HG3	11	0.22
(2,1018)	1:139:A:GLU:H	1:139:A:GLU:HG2	11	0.22
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	14	0.22
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	14	0.22
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	14	0.22
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	17	0.22
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	19	0.22
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	20	0.22
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	8	0.22
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	18	0.22
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	14	0.22
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	14	0.22
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	5	0.22
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	9	0.22
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	11	0.22
(2,705)	1:168:A:MET:H	1:167:A:ARG:H	6	0.22
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	1	0.22
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	1	0.22
(2,626)	1:24:A:GLY:HA2	1:25:A:LYS:H	2	0.22
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	14	0.22
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	4	0.22
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	4	0.22
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	4	0.22
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	9	0.22
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	9	0.22
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	9	0.22
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	19	0.22
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	7	0.22
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	8	0.22
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	13	0.22
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	19	0.22
(2,578)	1:35:A:VAL:H	1:34:A:MET:HB2	3	0.22
(2,570)	1:74:A:THR:HG21	1:73:A:VAL:H	2	0.22
(2,570)	1:74:A:THR:HG22	1:73:A:VAL:H	2	0.22
(2,570)	1:74:A:THR:HG23	1:73:A:VAL:H	2	0.22
(2,529)	1:175:A:LEU:H	1:175:A:LEU:HB3	16	0.22
(2,529)	1:175:A:LEU:H	1:175:A:LEU:HB2	16	0.22
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	8	0.22
(2,444)	1:60:A:GLU:HA	1:60:A:GLU:H	16	0.22
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD11	17	0.22
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD12	17	0.22
(2,427)	1:22:A:LYS:H	1:21:A:LEU:HD13	17	0.22
(2,416)	1:74:A:THR:HA	1:75:A:GLN:H	13	0.22
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	4	0.22
(2,372)	1:75:A:GLN:H	1:74:A:THR:H	11	0.22
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	13	0.22
(2,322)	1:68:A:ARG:HA	1:69:A:ILE:H	17	0.22
(2,308)	1:58:A:GLU:HG2	1:59:A:GLU:H	4	0.22
(2,308)	1:58:A:GLU:HG2	1:59:A:GLU:H	6	0.22
(2,262)	1:19:A:ALA:HB1	1:19:A:ALA:H	15	0.22
(2,262)	1:19:A:ALA:HB2	1:19:A:ALA:H	15	0.22
(2,262)	1:19:A:ALA:HB3	1:19:A:ALA:H	15	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD21	19	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD22	19	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD23	19	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD11	19	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD12	19	0.22
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD13	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	1	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	1	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	1	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	4	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	4	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	4	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	5	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	5	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	5	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	6	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	6	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	6	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	8	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	8	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	8	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	16	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	16	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	16	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	17	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	17	0.22
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	17	0.22
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	5	0.22
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	7	0.22
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	3	0.22
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	19	0.22
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	1	0.22
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	1	0.22
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	12	0.22
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	12	0.22
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	14	0.22
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	14	0.22
(1,545)	1:62:A:ALA:H	1:61:A:ASN:H	6	0.22
(1,485)	1:62:A:ALA:H	1:58:A:GLU:HG3	14	0.22
(1,474)	1:39:A:ARG:H	1:38:A:GLN:HE22	1	0.22
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG21	4	0.22
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG22	4	0.22
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG23	4	0.22
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB1	1	0.22
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB2	1	0.22
(1,420)	1:62:A:ALA:H	1:62:A:ALA:HB3	1	0.22
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	5	0.22
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	5	0.22
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	14	0.22
(1,261)	1:58:A:GLU:HG3	1:60:A:GLU:H	2	0.22
(1,261)	1:58:A:GLU:HG3	1:60:A:GLU:H	17	0.22
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	2	0.22
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	17	0.22
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	1	0.22
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	1	0.22
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	8	0.22
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	8	0.22
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	15	0.22
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	15	0.22
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	18	0.22
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	18	0.22
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	19	0.22
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	19	0.22
(1,95)	1:27:A:ILE:HA	1:29:A:TYR:HD1	8	0.22
(1,95)	1:27:A:ILE:HA	1:29:A:TYR:HD2	8	0.22
(1,52)	1:39:A:ARG:HA	1:40:A:PHE:HD1	4	0.22
(1,52)	1:39:A:ARG:HA	1:40:A:PHE:HD2	4	0.22
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	2	0.22
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	2	0.22
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD1	11	0.22
(1,37)	1:58:A:GLU:HG3	1:57:A:TYR:HD2	11	0.22
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	13	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	13	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	13	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	13	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	13	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	13	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	17	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	17	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	17	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	17	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	17	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	17	0.21
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	4	0.21
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	4	0.21
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	20	0.21
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	20	0.21
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	1	0.21
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	5	0.21
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	5	0.21
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	5	0.21
(3,49)	1:32:A:ASP:HB2	1:34:A:MET:HB2	9	0.21
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG3	1	0.21
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG2	1	0.21
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	13	0.21
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	13	0.21
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	13	0.21
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	13	0.21
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	13	0.21
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	18	0.21
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	18	0.21
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	18	0.21
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG21	16	0.21
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG22	16	0.21
(2,3598)	1:104:A:ARG:HD2	1:103:A:ILE:HG23	16	0.21
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG21	16	0.21
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG22	16	0.21
(2,3598)	1:104:A:ARG:HD3	1:103:A:ILE:HG23	16	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	1	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	1	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	1	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	2	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	2	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	2	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	3	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	3	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	3	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	4	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	4	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	4	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	5	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	5	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	5	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	8	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	8	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	8	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	10	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	10	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	10	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	11	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	11	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	12	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	12	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	12	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	13	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	13	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	13	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	15	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	15	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	15	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	18	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	18	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	18	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	19	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	19	0.21
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	19	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	4	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	4	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	4	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	5	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	5	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	5	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	7	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	7	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	7	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	8	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	8	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	8	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	10	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	10	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	10	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	12	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	12	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	12	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	15	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	15	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	15	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	16	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	16	0.21
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	16	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	10	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	10	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	13	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	13	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	13	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	17	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	17	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	17	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	19	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	19	0.21
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	19	0.21
(2,3514)	1:49:A:MET:HE1	1:48:A:TYR:H	4	0.21
(2,3514)	1:49:A:MET:HE2	1:48:A:TYR:H	4	0.21
(2,3514)	1:49:A:MET:HE3	1:48:A:TYR:H	4	0.21
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE1	20	0.21
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE2	20	0.21
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE3	20	0.21
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE1	20	0.21
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE2	20	0.21
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE3	20	0.21
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE1	20	0.21
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE2	20	0.21
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE3	20	0.21
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE1	20	0.21
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE2	20	0.21
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE3	20	0.21
(2,3472)	1:67:A:VAL:HG21	1:64:A:GLY:HA2	14	0.21
(2,3472)	1:67:A:VAL:HG22	1:64:A:GLY:HA2	14	0.21
(2,3472)	1:67:A:VAL:HG23	1:64:A:GLY:HA2	14	0.21
(2,3470)	1:67:A:VAL:HG21	1:64:A:GLY:HA3	13	0.21
(2,3470)	1:67:A:VAL:HG22	1:64:A:GLY:HA3	13	0.21
(2,3470)	1:67:A:VAL:HG23	1:64:A:GLY:HA3	13	0.21
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD11	6	0.21
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD12	6	0.21
(2,3443)	1:123:A:VAL:HG11	1:141:A:LEU:HD13	6	0.21
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD11	6	0.21
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD12	6	0.21
(2,3443)	1:123:A:VAL:HG12	1:141:A:LEU:HD13	6	0.21
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD11	6	0.21
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD12	6	0.21
(2,3443)	1:123:A:VAL:HG13	1:141:A:LEU:HD13	6	0.21
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	5	0.21
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	5	0.21
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	5	0.21
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	5	0.21
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	5	0.21
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	5	0.21
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	5	0.21
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	5	0.21
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	18	0.21
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	18	0.21
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	18	0.21
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	1	0.21
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	1	0.21
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	1	0.21
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	1	0.21
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	1	0.21
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	1	0.21
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	1	0.21
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	1	0.21
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	1	0.21
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	5	0.21
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	5	0.21
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	5	0.21
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	5	0.21
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	5	0.21
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	5	0.21
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	5	0.21
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	5	0.21
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	5	0.21
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	2	0.21
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	2	0.21
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	2	0.21
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	8	0.21
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	8	0.21
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	8	0.21
(2,3215)	1:126:A:LYS:HD2	1:126:A:LYS:HG2	10	0.21
(2,3214)	1:126:A:LYS:HB3	1:126:A:LYS:HG2	4	0.21
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	3	0.21
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	3	0.21
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	3	0.21
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	20	0.21
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	20	0.21
(2,3122)	1:94:A:ARG:HG2	1:94:A:ARG:HA	19	0.21
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	15	0.21
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	8	0.21
(2,3082)	1:162:A:ARG:HG2	1:162:A:ARG:H	14	0.21
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	2	0.21
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	13	0.21
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	11	0.21
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	6	0.21
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	18	0.21
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	19	0.21
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	14	0.21
(2,2853)	1:80:A:ARG:HB3	1:150:A:SER:H	8	0.21
(2,2852)	1:80:A:ARG:HB3	1:81:A:THR:H	11	0.21
(2,2778)	1:55:A:PRO:HB3	1:27:A:ILE:HG12	19	0.21
(2,2778)	1:55:A:PRO:HB2	1:27:A:ILE:HG12	19	0.21
(2,2740)	1:39:A:ARG:H	1:38:A:GLN:HG3	20	0.21
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	8	0.21
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	1	0.21
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	1	0.21
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	1	0.21
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	18	0.21
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	18	0.21
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	18	0.21
(2,2557)	1:86:A:LEU:H	1:85:A:LYS:HB2	3	0.21
(2,2557)	1:86:A:LEU:H	1:85:A:LYS:HB2	4	0.21
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	17	0.21
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	3	0.21
(2,2443)	1:26:A:ARG:HA	1:27:A:ILE:HB	10	0.21
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	18	0.21
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	18	0.21
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	18	0.21
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	20	0.21
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	20	0.21
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	20	0.21
(2,2381)	1:63:A:ASP:HA	1:63:A:ASP:HB3	19	0.21
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	3	0.21
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	7	0.21
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	9	0.21
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	10	0.21
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	11	0.21
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	14	0.21
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	17	0.21
(2,2377)	1:63:A:ASP:HA	1:63:A:ASP:HB2	6	0.21
(2,2366)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	11	0.21
(2,2366)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	11	0.21
(2,2366)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	11	0.21
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	5	0.21
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	5	0.21
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE2	17	0.21
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE3	17	0.21
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	18	0.21
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	11	0.21
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	11	0.21
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	11	0.21
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	11	0.21
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	7	0.21
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	7	0.21
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	7	0.21
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	15	0.21
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	15	0.21
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	15	0.21
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD2	10	0.21
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD3	10	0.21
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	16	0.21
(2,2217)	1:95:A:LEU:H	1:94:A:ARG:HD2	19	0.21
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	5	0.21
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	5	0.21
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	5	0.21
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	3	0.21
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	3	0.21
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	3	0.21
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	11	0.21
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	11	0.21
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	11	0.21
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	19	0.21
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	19	0.21
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	19	0.21
(2,2034)	1:111:A:ALA:HA	1:147:A:VAL:HB	16	0.21
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	18	0.21
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	10	0.21
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	10	0.21
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	11	0.21
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	14	0.21
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	14	0.21
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	17	0.21
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	17	0.21
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	18	0.21
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	18	0.21
(2,1889)	1:52:A:PRO:HD2	1:50:A:ASP:HA	10	0.21
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	6	0.21
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	6	0.21
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	6	0.21
(2,1845)	1:146:A:GLN:HA	1:146:A:GLN:HG3	3	0.21
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB1	11	0.21
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB2	11	0.21
(2,1843)	1:146:A:GLN:HA	1:101:A:ALA:HB3	11	0.21
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	7	0.21
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	14	0.21
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG3	5	0.21
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG2	5	0.21
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG3	11	0.21
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG2	11	0.21
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG3	16	0.21
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG2	16	0.21
(2,1789)	1:108:A:ARG:HA	1:104:A:ARG:HD3	17	0.21
(2,1789)	1:108:A:ARG:HA	1:104:A:ARG:HD2	17	0.21
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	14	0.21
(2,1751)	1:60:A:GLU:H	1:59:A:GLU:HA	15	0.21
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	3	0.21
(2,1727)	1:117:A:GLU:HB3	1:117:A:GLU:HA	14	0.21
(2,1609)	1:175:A:LEU:HA	1:173:A:SER:HA	1	0.21
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	1	0.21
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	5	0.21
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	6	0.21
(2,1594)	1:173:A:SER:HA	1:174:A:GLY:H	19	0.21
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	5	0.21
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	6	0.21
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	13	0.21
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	10	0.21
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	16	0.21
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	20	0.21
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD11	12	0.21
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD12	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1497)	1:113:A:VAL:HA	1:141:A:LEU:HD13	12	0.21
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	7	0.21
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	7	0.21
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	7	0.21
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	4	0.21
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	4	0.21
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	4	0.21
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	9	0.21
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	9	0.21
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	9	0.21
(2,1486)	1:79:A:VAL:HA	1:79:A:VAL:HG11	2	0.21
(2,1486)	1:79:A:VAL:HA	1:79:A:VAL:HG12	2	0.21
(2,1486)	1:79:A:VAL:HA	1:79:A:VAL:HG13	2	0.21
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	19	0.21
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	19	0.21
(2,1477)	1:74:A:THR:HA	1:75:A:GLN:H	13	0.21
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	9	0.21
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	16	0.21
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	10	0.21
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	18	0.21
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	11	0.21
(2,1336)	1:127:A:ALA:H	1:109:A:THR:HB	9	0.21
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	19	0.21
(2,1327)	1:173:A:SER:H	1:172:A:THR:HB	8	0.21
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	13	0.21
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	17	0.21
(2,1232)	1:64:A:GLY:H	1:65:A:ALA:HA	19	0.21
(2,1216)	1:125:A:VAL:HA	1:140:A:GLY:H	19	0.21
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	17	0.21
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	19	0.21
(2,1038)	1:21:A:LEU:HB3	1:23:A:THR:H	20	0.21
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	2	0.21
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	2	0.21
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	2	0.21
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	2	0.21
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	2	0.21
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	2	0.21
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	17	0.21
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	17	0.21
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	17	0.21
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	17	0.21
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	17	0.21
(2,1003)	1:170:A:GLU:H	1:171:A:THR:H	3	0.21
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	18	0.21
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	18	0.21
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	18	0.21
(2,934)	1:35:A:VAL:HG21	1:48:A:TYR:H	19	0.21
(2,934)	1:35:A:VAL:HG22	1:48:A:TYR:H	19	0.21
(2,934)	1:35:A:VAL:HG23	1:48:A:TYR:H	19	0.21
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	8	0.21
(2,884)	1:173:A:SER:H	1:172:A:THR:HB	4	0.21
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	16	0.21
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	18	0.21
(2,744)	1:79:A:VAL:H	1:80:A:ARG:HB2	5	0.21
(2,743)	1:77:A:LEU:HB3	1:79:A:VAL:H	14	0.21
(2,739)	1:77:A:LEU:HA	1:79:A:VAL:H	7	0.21
(2,739)	1:77:A:LEU:HA	1:79:A:VAL:H	8	0.21
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	13	0.21
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	16	0.21
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	16	0.21
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	16	0.21
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	11	0.21
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	11	0.21
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	11	0.21
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	2	0.21
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	16	0.21
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	12	0.21
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	1	0.21
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	2	0.21
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	5	0.21
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	12	0.21
(2,569)	1:72:A:ARG:HG2	1:73:A:VAL:H	20	0.21
(2,569)	1:72:A:ARG:HG3	1:73:A:VAL:H	20	0.21
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	2	0.21
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	5	0.21
(2,520)	1:168:A:MET:H	1:167:A:ARG:HG2	19	0.21
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	7	0.21
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	2	0.21
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	11	0.21
(2,508)	1:168:A:MET:H	1:167:A:ARG:HA	8	0.21
(2,508)	1:168:A:MET:H	1:167:A:ARG:HA	9	0.21
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	11	0.21
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD11	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD12	3	0.21
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD13	3	0.21
(2,423)	1:76:A:ASN:H	1:77:A:LEU:H	5	0.21
(2,418)	1:75:A:GLN:H	1:75:A:GLN:HB3	8	0.21
(2,372)	1:75:A:GLN:H	1:74:A:THR:H	7	0.21
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	16	0.21
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	16	0.21
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	16	0.21
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB1	17	0.21
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB2	17	0.21
(2,353)	1:148:A:VAL:H	1:114:A:ALA:HB3	17	0.21
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	9	0.21
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	3	0.21
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	12	0.21
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	14	0.21
(2,262)	1:19:A:ALA:HB1	1:19:A:ALA:H	16	0.21
(2,262)	1:19:A:ALA:HB2	1:19:A:ALA:H	16	0.21
(2,262)	1:19:A:ALA:HB3	1:19:A:ALA:H	16	0.21
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	9	0.21
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	17	0.21
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	2	0.21
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	2	0.21
(2,238)	1:87:A:GLY:HA3	1:94:A:ARG:H	16	0.21
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD21	8	0.21
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD22	8	0.21
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD23	8	0.21
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD11	8	0.21
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD12	8	0.21
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD13	8	0.21
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	10	0.21
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	10	0.21
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	10	0.21
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	11	0.21
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	11	0.21
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	11	0.21
(2,87)	1:89:A:LEU:H	1:90:A:GLY:H	7	0.21
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	10	0.21
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	10	0.21
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	11	0.21
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	11	0.21
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	15	0.21
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	20	0.21
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	20	0.21
(1,600)	1:48:A:TYR:HB3	1:49:A:MET:H	15	0.21
(1,545)	1:62:A:ALA:H	1:61:A:ASN:H	9	0.21
(1,507)	1:40:A:PHE:H	1:39:A:ARG:HD2	5	0.21
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE1	2	0.21
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE2	2	0.21
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE3	2	0.21
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE1	2	0.21
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE2	2	0.21
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE3	2	0.21
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE1	2	0.21
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE2	2	0.21
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE3	2	0.21
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE1	3	0.21
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE2	3	0.21
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE3	3	0.21
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE1	3	0.21
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE2	3	0.21
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE3	3	0.21
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE1	3	0.21
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE2	3	0.21
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE3	3	0.21
(1,315)	1:27:A:ILE:HD11	1:58:A:GLU:HB3	14	0.21
(1,315)	1:27:A:ILE:HD12	1:58:A:GLU:HB3	14	0.21
(1,315)	1:27:A:ILE:HD13	1:58:A:GLU:HB3	14	0.21
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	16	0.21
(1,309)	1:34:A:MET:HA	1:36:A:PRO:HB2	20	0.21
(1,261)	1:58:A:GLU:HG3	1:60:A:GLU:H	12	0.21
(1,216)	1:39:A:ARG:HD2	1:39:A:ARG:HA	9	0.21
(1,216)	1:39:A:ARG:HD2	1:39:A:ARG:HA	17	0.21
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	1	0.21
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	1	0.21
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	15	0.21
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	15	0.21
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	20	0.2
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	20	0.2
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	20	0.2
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	20	0.2
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	20	0.2
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	20	0.2
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	8	0.2
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	13	0.2
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	15	0.2
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	18	0.2
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	18	0.2
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	18	0.2
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	18	0.2
(3,85)	1:40:A:PHE:HB2	1:42:A:LYS:HG3	5	0.2
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	2	0.2
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	2	0.2
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	2	0.2
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG3	12	0.2
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG2	12	0.2
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG3	15	0.2
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG2	15	0.2
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	4	0.2
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	4	0.2
(3,10)	1:62:A:ALA:HB1	1:30:A:TRP:HH2	6	0.2
(3,10)	1:62:A:ALA:HB2	1:30:A:TRP:HH2	6	0.2
(3,10)	1:62:A:ALA:HB3	1:30:A:TRP:HH2	6	0.2
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	13	0.2
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	13	0.2
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	13	0.2
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	2	0.2
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	2	0.2
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	2	0.2
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	16	0.2
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	16	0.2
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	16	0.2
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	19	0.2
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	19	0.2
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	19	0.2
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	8	0.2
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	8	0.2
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	8	0.2
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	11	0.2
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	11	0.2
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	11	0.2
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	2	0.2
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	2	0.2
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	2	0.2
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	13	0.2
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	13	0.2
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB1	10	0.2
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB2	10	0.2
(2,3567)	1:28:A:LEU:HB3	1:62:A:ALA:HB3	10	0.2
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	17	0.2
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	17	0.2
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	17	0.2
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	17	0.2
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	17	0.2
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	17	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	6	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	6	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	6	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	7	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	7	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	7	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	9	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	9	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	9	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	14	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	14	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	14	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	16	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	16	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	16	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	17	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	17	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	17	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB1	20	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB2	20	0.2
(2,3559)	1:65:A:ALA:HA	1:65:A:ALA:HB3	20	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	2	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	2	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	2	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	3	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	3	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	3	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	9	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	9	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	9	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	13	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	13	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	14	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	14	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	14	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	18	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	18	0.2
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	18	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	3	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	3	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	3	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	6	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	6	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	6	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	7	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	7	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	7	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	12	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	12	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	12	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	14	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	14	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	14	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	15	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	15	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	15	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	18	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	18	0.2
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	18	0.2
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB1	4	0.2
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB2	4	0.2
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB3	4	0.2
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB1	6	0.2
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB2	6	0.2
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB3	6	0.2
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB1	4	0.2
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB2	4	0.2
(2,3403)	1:138:A:LEU:HD21	1:131:A:ALA:HB3	4	0.2
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB1	4	0.2
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB2	4	0.2
(2,3403)	1:138:A:LEU:HD22	1:131:A:ALA:HB3	4	0.2
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB1	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB2	4	0.2
(2,3403)	1:138:A:LEU:HD23	1:131:A:ALA:HB3	4	0.2
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB1	4	0.2
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB2	4	0.2
(2,3403)	1:138:A:LEU:HD11	1:131:A:ALA:HB3	4	0.2
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB1	4	0.2
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB2	4	0.2
(2,3403)	1:138:A:LEU:HD12	1:131:A:ALA:HB3	4	0.2
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB1	4	0.2
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB2	4	0.2
(2,3403)	1:138:A:LEU:HD13	1:131:A:ALA:HB3	4	0.2
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	8	0.2
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	8	0.2
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	8	0.2
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	9	0.2
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	9	0.2
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	9	0.2
(2,3352)	1:84:A:VAL:HG11	1:145:A:GLN:H	17	0.2
(2,3352)	1:84:A:VAL:HG12	1:145:A:GLN:H	17	0.2
(2,3352)	1:84:A:VAL:HG13	1:145:A:GLN:H	17	0.2
(2,3339)	1:102:A:LEU:H	1:102:A:LEU:HD21	9	0.2
(2,3339)	1:102:A:LEU:H	1:102:A:LEU:HD22	9	0.2
(2,3339)	1:102:A:LEU:H	1:102:A:LEU:HD23	9	0.2
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	13	0.2
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	13	0.2
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	13	0.2
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	6	0.2
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	6	0.2
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	6	0.2
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	17	0.2
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	17	0.2
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	17	0.2
(2,3319)	1:109:A:THR:HG21	1:104:A:ARG:HD2	8	0.2
(2,3319)	1:109:A:THR:HG22	1:104:A:ARG:HD2	8	0.2
(2,3319)	1:109:A:THR:HG23	1:104:A:ARG:HD2	8	0.2
(2,3319)	1:109:A:THR:HG21	1:104:A:ARG:HD3	8	0.2
(2,3319)	1:109:A:THR:HG22	1:104:A:ARG:HD3	8	0.2
(2,3319)	1:109:A:THR:HG23	1:104:A:ARG:HD3	8	0.2
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	1	0.2
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	1	0.2
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	1	0.2
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	7	0.2
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	7	0.2
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	9	0.2
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	9	0.2
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	9	0.2
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	15	0.2
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	15	0.2
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	15	0.2
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	5	0.2
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	5	0.2
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	5	0.2
(2,3188)	1:21:A:LEU:HD21	1:23:A:THR:H	8	0.2
(2,3188)	1:21:A:LEU:HD22	1:23:A:THR:H	8	0.2
(2,3188)	1:21:A:LEU:HD23	1:23:A:THR:H	8	0.2
(2,3098)	1:68:A:ARG:HB3	1:68:A:ARG:HG3	1	0.2
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	1	0.2
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	16	0.2
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	16	0.2
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	5	0.2
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	16	0.2
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	6	0.2
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	4	0.2
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	19	0.2
(2,2797)	1:80:A:ARG:H	1:80:A:ARG:HB3	10	0.2
(2,2796)	1:22:A:LYS:H	1:22:A:LYS:HB3	2	0.2
(2,2778)	1:55:A:PRO:HB3	1:27:A:ILE:HG12	15	0.2
(2,2778)	1:55:A:PRO:HB2	1:27:A:ILE:HG12	15	0.2
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	11	0.2
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	16	0.2
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	20	0.2
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	14	0.2
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	14	0.2
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	14	0.2
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	17	0.2
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	17	0.2
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	17	0.2
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	12	0.2
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	12	0.2
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	12	0.2
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	6	0.2
(2,2557)	1:86:A:LEU:H	1:85:A:LYS:HB2	2	0.2
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2521)	1:124:A:GLU:HG2	1:109:A:THR:H	7	0.2
(2,2497)	1:86:A:LEU:HD21	1:93:A:GLU:HG2	4	0.2
(2,2497)	1:86:A:LEU:HD22	1:93:A:GLU:HG2	4	0.2
(2,2497)	1:86:A:LEU:HD23	1:93:A:GLU:HG2	4	0.2
(2,2482)	1:34:A:MET:HG3	1:34:A:MET:HA	2	0.2
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	8	0.2
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	11	0.2
(2,2470)	1:69:A:ILE:HB	1:72:A:ARG:HG2	2	0.2
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	12	0.2
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	1	0.2
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	2	0.2
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	4	0.2
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	5	0.2
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	6	0.2
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	8	0.2
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	15	0.2
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	16	0.2
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	18	0.2
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	20	0.2
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	3	0.2
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	3	0.2
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	4	0.2
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	4	0.2
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	16	0.2
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	16	0.2
(2,2253)	1:88:A:ARG:HD3	1:92:A:THR:HB	19	0.2
(2,2253)	1:88:A:ARG:HD2	1:92:A:THR:HB	19	0.2
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	17	0.2
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	17	0.2
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	17	0.2
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	4	0.2
(2,2213)	1:121:A:ASP:HB2	1:115:A:LYS:HD3	3	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	2	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	2	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	2	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	14	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	14	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	14	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	16	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	16	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	16	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	17	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	17	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	18	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	18	0.2
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	18	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	10	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	10	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	10	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	15	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	15	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	15	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	16	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	16	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	16	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	17	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	17	0.2
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	17	0.2
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	10	0.2
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	10	0.2
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	10	0.2
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	8	0.2
(2,2105)	1:78:A:GLY:HA3	1:78:A:GLY:H	8	0.2
(2,2011)	1:110:A:ILE:HG21	1:122:A:PRO:HD3	14	0.2
(2,2011)	1:110:A:ILE:HG22	1:122:A:PRO:HD3	14	0.2
(2,2011)	1:110:A:ILE:HG23	1:122:A:PRO:HD3	14	0.2
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	8	0.2
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	1	0.2
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	1	0.2
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	2	0.2
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	2	0.2
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	13	0.2
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	13	0.2
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	15	0.2
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	15	0.2
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	15	0.2
(2,1848)	1:83:A:GLU:H	1:146:A:GLN:HA	16	0.2
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	8	0.2
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	16	0.2
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	20	0.2
(2,1840)	1:38:A:GLN:HA	1:38:A:GLN:HG3	4	0.2
(2,1840)	1:38:A:GLN:HA	1:38:A:GLN:HG2	4	0.2
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG3	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG2	8	0.2
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG3	13	0.2
(2,1809)	1:104:A:ARG:HA	1:104:A:ARG:HG2	13	0.2
(2,1789)	1:108:A:ARG:HA	1:104:A:ARG:HD3	8	0.2
(2,1789)	1:108:A:ARG:HA	1:104:A:ARG:HD2	8	0.2
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	11	0.2
(2,1763)	1:75:A:GLN:HA	1:75:A:GLN:HG3	3	0.2
(2,1763)	1:75:A:GLN:HA	1:75:A:GLN:HG2	3	0.2
(2,1731)	1:118:A:GLY:H	1:117:A:GLU:HA	12	0.2
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	14	0.2
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	3	0.2
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	9	0.2
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	11	0.2
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	7	0.2
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	15	0.2
(2,1587)	1:103:A:ILE:HG21	1:105:A:THR:HA	5	0.2
(2,1587)	1:103:A:ILE:HG22	1:105:A:THR:HA	5	0.2
(2,1587)	1:103:A:ILE:HG23	1:105:A:THR:HA	5	0.2
(2,1587)	1:103:A:ILE:HG21	1:105:A:THR:HA	13	0.2
(2,1587)	1:103:A:ILE:HG22	1:105:A:THR:HA	13	0.2
(2,1587)	1:103:A:ILE:HG23	1:105:A:THR:HA	13	0.2
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	18	0.2
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	18	0.2
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	18	0.2
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	18	0.2
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	2	0.2
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	2	0.2
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	2	0.2
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	12	0.2
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	15	0.2
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	6	0.2
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	3	0.2
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	3	0.2
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	3	0.2
(2,1262)	1:119:A:GLY:H	1:117:A:GLU:HB3	4	0.2
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	10	0.2
(2,1250)	1:162:A:ARG:HG2	1:163:A:GLY:H	1	0.2
(2,1247)	1:78:A:GLY:H	1:79:A:VAL:HB	13	0.2
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	14	0.2
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	14	0.2
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	15	0.2
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	15	0.2
(2,1159)	1:46:A:SER:HB3	1:49:A:MET:H	2	0.2
(2,1134)	1:90:A:GLY:H	1:92:A:THR:HB	10	0.2
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	6	0.2
(2,1099)	1:102:A:LEU:H	1:135:A:SER:HB3	13	0.2
(2,1084)	1:130:A:THR:H	1:131:A:ALA:HB1	12	0.2
(2,1084)	1:130:A:THR:H	1:131:A:ALA:HB2	12	0.2
(2,1084)	1:130:A:THR:H	1:131:A:ALA:HB3	12	0.2
(2,1076)	1:123:A:VAL:HG21	1:141:A:LEU:H	20	0.2
(2,1076)	1:123:A:VAL:HG22	1:141:A:LEU:H	20	0.2
(2,1076)	1:123:A:VAL:HG23	1:141:A:LEU:H	20	0.2
(2,1076)	1:123:A:VAL:HG11	1:141:A:LEU:H	20	0.2
(2,1076)	1:123:A:VAL:HG12	1:141:A:LEU:H	20	0.2
(2,1076)	1:123:A:VAL:HG13	1:141:A:LEU:H	20	0.2
(2,1007)	1:127:A:ALA:H	1:139:A:GLU:H	9	0.2
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	5	0.2
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	1	0.2
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	14	0.2
(2,848)	1:149:A:VAL:H	1:150:A:SER:H	1	0.2
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	7	0.2
(2,824)	1:62:A:ALA:HB1	1:63:A:ASP:H	16	0.2
(2,824)	1:62:A:ALA:HB2	1:63:A:ASP:H	16	0.2
(2,824)	1:62:A:ALA:HB3	1:63:A:ASP:H	16	0.2
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	1	0.2
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	2	0.2
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	7	0.2
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	7	0.2
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	8	0.2
(2,704)	1:74:A:THR:HG21	1:76:A:ASN:H	1	0.2
(2,704)	1:74:A:THR:HG22	1:76:A:ASN:H	1	0.2
(2,704)	1:74:A:THR:HG23	1:76:A:ASN:H	1	0.2
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	12	0.2
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	16	0.2
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	16	0.2
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	16	0.2
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	20	0.2
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	20	0.2
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	20	0.2
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	10	0.2
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	10	0.2
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	10	0.2
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	15	0.2
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	10	0.2
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	15	0.2
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	17	0.2
(2,549)	1:149:A:VAL:HG21	1:83:A:GLU:H	16	0.2
(2,549)	1:149:A:VAL:HG22	1:83:A:GLU:H	16	0.2
(2,549)	1:149:A:VAL:HG23	1:83:A:GLU:H	16	0.2
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	13	0.2
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	13	0.2
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	13	0.2
(2,508)	1:168:A:MET:H	1:167:A:ARG:HA	16	0.2
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	15	0.2
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	15	0.2
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	15	0.2
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	2	0.2
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	19	0.2
(2,444)	1:60:A:GLU:HA	1:60:A:GLU:H	14	0.2
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	9	0.2
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	10	0.2
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	15	0.2
(2,402)	1:146:A:GLN:HB2	1:82:A:ALA:H	10	0.2
(2,377)	1:75:A:GLN:H	1:75:A:GLN:HB2	3	0.2
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	5	0.2
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	2	0.2
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	19	0.2
(2,340)	1:121:A:ASP:HB3	1:121:A:ASP:H	7	0.2
(2,340)	1:121:A:ASP:HB3	1:121:A:ASP:H	16	0.2
(2,326)	1:69:A:ILE:HB	1:69:A:ILE:H	10	0.2
(2,273)	1:19:A:ALA:HB1	1:21:A:LEU:H	12	0.2
(2,273)	1:19:A:ALA:HB2	1:21:A:LEU:H	12	0.2
(2,273)	1:19:A:ALA:HB3	1:21:A:LEU:H	12	0.2
(2,259)	1:19:A:ALA:H	1:18:A:GLY:H	9	0.2
(2,258)	1:19:A:ALA:H	1:20:A:GLU:H	20	0.2
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	10	0.2
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	10	0.2
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	11	0.2
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD21	20	0.2
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD22	20	0.2
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD23	20	0.2
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD11	20	0.2
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD12	20	0.2
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD13	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	14	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	14	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	14	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	15	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	15	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	15	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	18	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	18	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	18	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	20	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	20	0.2
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	20	0.2
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB1	16	0.2
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB2	16	0.2
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB3	16	0.2
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	8	0.2
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	13	0.2
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG21	7	0.2
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG22	7	0.2
(1,624)	1:30:A:TRP:HE1	1:27:A:ILE:HG23	7	0.2
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	3	0.2
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	3	0.2
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	9	0.2
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	9	0.2
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG3	18	0.2
(1,607)	1:38:A:GLN:HE22	1:38:A:GLN:HG2	18	0.2
(1,601)	1:49:A:MET:H	1:49:A:MET:HG3	3	0.2
(1,599)	1:46:A:SER:HB2	1:49:A:MET:H	3	0.2
(1,408)	1:49:A:MET:HE1	1:48:A:TYR:HA	14	0.2
(1,408)	1:49:A:MET:HE2	1:48:A:TYR:HA	14	0.2
(1,408)	1:49:A:MET:HE3	1:48:A:TYR:HA	14	0.2
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	3	0.2
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	3	0.2
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	3	0.2
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	11	0.2
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	11	0.2
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	11	0.2
(1,343)	1:26:A:ARG:H	1:26:A:ARG:HG2	3	0.2
(1,315)	1:27:A:ILE:HD11	1:58:A:GLU:HB3	20	0.2
(1,315)	1:27:A:ILE:HD12	1:58:A:GLU:HB3	20	0.2
(1,315)	1:27:A:ILE:HD13	1:58:A:GLU:HB3	20	0.2
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	10	0.2
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	19	0.2
(1,260)	1:29:A:TYR:HB3	1:28:A:LEU:HB3	8	0.2
(1,216)	1:39:A:ARG:HD2	1:39:A:ARG:HA	16	0.2
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD1	5	0.2
(1,98)	1:56:A:VAL:HA	1:57:A:TYR:HD2	5	0.2
(1,76)	1:36:A:PRO:HD3	1:36:A:PRO:HA	5	0.2
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE1	1	0.2
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE2	1	0.2
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	2	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	3	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	4	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	5	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	6	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	7	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	8	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	9	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	10	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	11	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	12	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	14	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	15	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	16	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	17	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	18	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	19	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	20	0.19
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	14	0.19
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	14	0.19
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	14	0.19
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	14	0.19
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	14	0.19
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	14	0.19
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	3	0.19
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	3	0.19
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	5	0.19
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	5	0.19
(3,151)	1:53:A:LEU:HD21	1:49:A:MET:H	13	0.19
(3,151)	1:53:A:LEU:HD22	1:49:A:MET:H	13	0.19
(3,151)	1:53:A:LEU:HD23	1:49:A:MET:H	13	0.19
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	3	0.19
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB1	20	0.19
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB2	20	0.19
(3,90)	1:60:A:GLU:HB3	1:62:A:ALA:HB3	20	0.19
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	3	0.19
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	3	0.19
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	3	0.19
(3,43)	1:24:A:GLY:HA3	1:25:A:LYS:HD3	9	0.19
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	9	0.19
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	9	0.19
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	15	0.19
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	15	0.19
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	5	0.19
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	5	0.19
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	5	0.19
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	15	0.19
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	15	0.19
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	15	0.19
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	20	0.19
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	20	0.19
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	20	0.19
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	16	0.19
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	16	0.19
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	16	0.19
(2,3643)	1:120:A:PHE:HE1	1:112:A:MET:HE1	4	0.19
(2,3643)	1:120:A:PHE:HE1	1:112:A:MET:HE2	4	0.19
(2,3643)	1:120:A:PHE:HE1	1:112:A:MET:HE3	4	0.19
(2,3643)	1:120:A:PHE:HE2	1:112:A:MET:HE1	4	0.19
(2,3643)	1:120:A:PHE:HE2	1:112:A:MET:HE2	4	0.19
(2,3643)	1:120:A:PHE:HE2	1:112:A:MET:HE3	4	0.19
(2,3637)	1:137:A:ILE:HG21	1:125:A:VAL:HB	18	0.19
(2,3637)	1:137:A:ILE:HG22	1:125:A:VAL:HB	18	0.19
(2,3637)	1:137:A:ILE:HG23	1:125:A:VAL:HB	18	0.19
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	1	0.19
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	1	0.19
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	1	0.19
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	2	0.19
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	2	0.19
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	2	0.19
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	9	0.19
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	9	0.19
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	9	0.19
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	13	0.19
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	13	0.19
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG21	1	0.19
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG22	1	0.19
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG23	1	0.19
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	16	0.19
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	16	0.19
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	16	0.19
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	1	0.19
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	1	0.19
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	1	0.19
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	6	0.19
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	6	0.19
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	6	0.19
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB1	17	0.19
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB2	17	0.19
(2,3558)	1:66:A:ALA:HA	1:66:A:ALA:HB3	17	0.19
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	2	0.19
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	2	0.19
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	2	0.19
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	9	0.19
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	9	0.19
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	9	0.19
(2,3553)	1:19:A:ALA:HB1	1:19:A:ALA:H	10	0.19
(2,3553)	1:19:A:ALA:HB2	1:19:A:ALA:H	10	0.19
(2,3553)	1:19:A:ALA:HB3	1:19:A:ALA:H	10	0.19
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	15	0.19
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	15	0.19
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	15	0.19
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	15	0.19
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	15	0.19
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	15	0.19
(2,3448)	1:127:A:ALA:HB1	1:135:A:SER:HB2	3	0.19
(2,3448)	1:127:A:ALA:HB2	1:135:A:SER:HB2	3	0.19
(2,3448)	1:127:A:ALA:HB3	1:135:A:SER:HB2	3	0.19
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	16	0.19
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	16	0.19
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	16	0.19
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	16	0.19
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	16	0.19
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	16	0.19
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	16	0.19
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	16	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	2	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	2	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	2	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	3	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	3	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	3	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	7	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	7	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	7	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	10	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	10	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	10	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	13	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	13	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	13	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	15	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	15	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	15	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	17	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	17	0.19
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	17	0.19
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	19	0.19
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	19	0.19
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	19	0.19
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	18	0.19
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	18	0.19
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	18	0.19
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	18	0.19
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	18	0.19
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	18	0.19
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	18	0.19
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	18	0.19
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	18	0.19
(2,3293)	1:82:A:ALA:HB1	1:98:A:PRO:HG3	10	0.19
(2,3293)	1:82:A:ALA:HB2	1:98:A:PRO:HG3	10	0.19
(2,3293)	1:82:A:ALA:HB3	1:98:A:PRO:HG3	10	0.19
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	3	0.19
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	3	0.19
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	3	0.19
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	9	0.19
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	9	0.19
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	19	0.19
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	19	0.19
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	19	0.19
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	8	0.19
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	8	0.19
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	8	0.19
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD11	4	0.19
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD12	4	0.19
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD13	4	0.19
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD11	20	0.19
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD12	20	0.19
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD13	20	0.19
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	18	0.19
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	18	0.19
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	18	0.19
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	19	0.19
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	19	0.19
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	19	0.19
(2,3128)	1:68:A:ARG:HA	1:68:A:ARG:HG3	9	0.19
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	1	0.19
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	3	0.19
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	6	0.19
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	19	0.19
(2,2976)	1:146:A:GLN:HB3	1:146:A:GLN:HG3	18	0.19
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	14	0.19
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	19	0.19
(2,2963)	1:103:A:ILE:HA	1:104:A:ARG:HB3	17	0.19
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	4	0.19
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	13	0.19
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	14	0.19
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	20	0.19
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	6	0.19
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	17	0.19
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	18	0.19
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	1	0.19
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	8	0.19
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	8	0.19
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	8	0.19
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	4	0.19
(2,2545)	1:144:A:GLY:H	1:83:A:GLU:HG3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	10	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	1	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	2	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	3	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	4	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	5	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	6	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	7	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	8	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	10	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	11	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	12	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	13	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	14	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	15	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	16	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	17	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	18	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	19	0.19
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	20	0.19
(2,2492)	1:88:A:ARG:HD3	1:93:A:GLU:HG2	14	0.19
(2,2492)	1:88:A:ARG:HD2	1:93:A:GLU:HG2	14	0.19
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	13	0.19
(2,2470)	1:69:A:ILE:HB	1:72:A:ARG:HG2	17	0.19
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	18	0.19
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	3	0.19
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	3	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	1	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	2	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	5	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	7	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	8	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	11	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	12	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	13	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	15	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	18	0.19
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	20	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	1	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	2	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	3	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	5	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	6	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	7	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	8	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	9	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	10	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	11	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	13	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	14	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	15	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	16	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	17	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	18	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	19	0.19
(2,2441)	1:76:A:ASN:HB2	1:76:A:ASN:HB3	20	0.19
(2,2377)	1:63:A:ASP:HA	1:63:A:ASP:HB2	1	0.19
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	18	0.19
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	18	0.19
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	13	0.19
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	13	0.19
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	13	0.19
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	14	0.19
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	14	0.19
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	14	0.19
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	18	0.19
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	18	0.19
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	18	0.19
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	12	0.19
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	12	0.19
(2,2212)	1:113:A:VAL:HB	1:121:A:ASP:HB2	19	0.19
(2,2210)	1:121:A:ASP:HB2	1:122:A:PRO:HD3	2	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	1	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	1	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	1	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	10	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	10	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	10	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	13	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	13	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	13	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	15	0.19
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	15	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	1	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	1	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	1	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	4	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	4	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	4	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	5	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	5	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	5	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	6	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	6	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	6	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	8	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	8	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	8	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	19	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	19	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	19	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	20	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	20	0.19
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	20	0.19
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	5	0.19
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	5	0.19
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	5	0.19
(2,2147)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	1	0.19
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	13	0.19
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	13	0.19
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	13	0.19
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	4	0.19
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	4	0.19
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	4	0.19
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	3	0.19
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	3	0.19
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	3	0.19
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	2	0.19
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	11	0.19
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	15	0.19
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	15	0.19
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	20	0.19
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	20	0.19
(2,1943)	1:27:A:ILE:HB	1:62:A:ALA:HA	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1897)	1:143:A:ALA:HA	1:85:A:LYS:HG2	1	0.19
(2,1887)	1:94:A:ARG:HA	1:94:A:ARG:HD2	19	0.19
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	5	0.19
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	5	0.19
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	5	0.19
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	16	0.19
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	16	0.19
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	16	0.19
(2,1848)	1:83:A:GLU:H	1:146:A:GLN:HA	1	0.19
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	5	0.19
(2,1778)	1:45:A:LYS:HA	1:52:A:PRO:HB2	18	0.19
(2,1751)	1:60:A:GLU:H	1:59:A:GLU:HA	8	0.19
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	8	0.19
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	12	0.19
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	12	0.19
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	11	0.19
(2,1584)	1:104:A:ARG:HD3	1:105:A:THR:HA	20	0.19
(2,1584)	1:104:A:ARG:HD2	1:105:A:THR:HA	20	0.19
(2,1557)	1:157:A:SER:HA	1:161:A:LEU:HG	7	0.19
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	13	0.19
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	13	0.19
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	6	0.19
(2,1467)	1:123:A:VAL:HG11	1:122:A:PRO:HA	19	0.19
(2,1467)	1:123:A:VAL:HG12	1:122:A:PRO:HA	19	0.19
(2,1467)	1:123:A:VAL:HG13	1:122:A:PRO:HA	19	0.19
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	14	0.19
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	9	0.19
(2,1390)	1:148:A:VAL:HA	1:81:A:THR:HB	15	0.19
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	12	0.19
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	13	0.19
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	2	0.19
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	2	0.19
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	2	0.19
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	4	0.19
(2,1247)	1:78:A:GLY:H	1:79:A:VAL:HB	18	0.19
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	1	0.19
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	1	0.19
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	1	0.19
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	8	0.19
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	10	0.19
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	14	0.19
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	14	0.19
(2,981)	1:90:A:GLY:H	1:92:A:THR:H	9	0.19
(2,978)	1:89:A:LEU:H	1:92:A:THR:H	1	0.19
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	3	0.19
(2,822)	1:61:A:ASN:HB2	1:63:A:ASP:H	11	0.19
(2,816)	1:105:A:THR:H	1:109:A:THR:H	16	0.19
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	6	0.19
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	17	0.19
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	11	0.19
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	5	0.19
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	5	0.19
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	5	0.19
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	11	0.19
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	11	0.19
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	11	0.19
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	6	0.19
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	6	0.19
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	6	0.19
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	13	0.19
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	13	0.19
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	13	0.19
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	18	0.19
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	18	0.19
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	18	0.19
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	4	0.19
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	17	0.19
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	20	0.19
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	8	0.19
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	8	0.19
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	8	0.19
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	4	0.19
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	14	0.19
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	20	0.19
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	6	0.19
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	19	0.19
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	19	0.19
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	19	0.19
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	17	0.19
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	20	0.19
(2,502)	1:149:A:VAL:HG21	1:99:A:SER:H	15	0.19
(2,502)	1:149:A:VAL:HG22	1:99:A:SER:H	15	0.19
(2,502)	1:149:A:VAL:HG23	1:99:A:SER:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,467)	1:46:A:SER:H	1:52:A:PRO:HB2	18	0.19
(2,451)	1:58:A:GLU:HG2	1:60:A:GLU:H	6	0.19
(2,451)	1:58:A:GLU:HG2	1:60:A:GLU:H	14	0.19
(2,444)	1:60:A:GLU:HA	1:60:A:GLU:H	13	0.19
(2,426)	1:77:A:LEU:HB2	1:77:A:LEU:H	1	0.19
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	9	0.19
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	9	0.19
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	9	0.19
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	14	0.19
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	14	0.19
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	14	0.19
(2,321)	1:63:A:ASP:HA	1:69:A:ILE:H	3	0.19
(2,321)	1:63:A:ASP:HA	1:69:A:ILE:H	3	0.19
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	11	0.19
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	12	0.19
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	7	0.19
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	20	0.19
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	2	0.19
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	2	0.19
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	2	0.19
(2,192)	1:57:A:TYR:H	1:25:A:LYS:HA	6	0.19
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	6	0.19
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	6	0.19
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	6	0.19
(1,545)	1:62:A:ALA:H	1:61:A:ASN:H	4	0.19
(1,507)	1:40:A:PHE:H	1:39:A:ARG:HD2	16	0.19
(1,491)	1:60:A:GLU:HA	1:60:A:GLU:H	6	0.19
(1,491)	1:60:A:GLU:HA	1:60:A:GLU:H	8	0.19
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	13	0.19
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	13	0.19
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	13	0.19
(1,315)	1:27:A:ILE:HD11	1:58:A:GLU:HB3	3	0.19
(1,315)	1:27:A:ILE:HD12	1:58:A:GLU:HB3	3	0.19
(1,315)	1:27:A:ILE:HD13	1:58:A:GLU:HB3	3	0.19
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	4	0.19
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	8	0.19
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	12	0.19
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	13	0.19
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	15	0.19
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	17	0.19
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	20	0.19
(1,282)	1:52:A:PRO:HD2	1:51:A:MET:HB3	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	13	0.19
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	13	0.19
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	13	0.19
(1,261)	1:58:A:GLU:HG3	1:60:A:GLU:H	3	0.19
(1,261)	1:58:A:GLU:HG3	1:60:A:GLU:H	18	0.19
(1,216)	1:39:A:ARG:HD2	1:39:A:ARG:HA	3	0.19
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	3	0.19
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	3	0.19
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	3	0.19
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	11	0.19
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	11	0.19
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	11	0.19
(1,149)	1:27:A:ILE:HD11	1:59:A:GLU:HA	4	0.19
(1,149)	1:27:A:ILE:HD12	1:59:A:GLU:HA	4	0.19
(1,149)	1:27:A:ILE:HD13	1:59:A:GLU:HA	4	0.19
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	13	0.19
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	3	0.19
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	10	0.19
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	10	0.19
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	1	0.18
(4,90)	1:141:A:LEU:HB2	1:141:A:LEU:HB3	13	0.18
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	6	0.18
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	6	0.18
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	16	0.18
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	16	0.18
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	19	0.18
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	19	0.18
(3,154)	1:52:A:PRO:HB2	1:54:A:ILE:H	19	0.18
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	17	0.18
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	12	0.18
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	11	0.18
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	11	0.18
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	12	0.18
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	12	0.18
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD1	2	0.18
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD2	2	0.18
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD1	2	0.18
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD2	2	0.18
(3,10)	1:62:A:ALA:HB1	1:30:A:TRP:HH2	20	0.18
(3,10)	1:62:A:ALA:HB2	1:30:A:TRP:HH2	20	0.18
(3,10)	1:62:A:ALA:HB3	1:30:A:TRP:HH2	20	0.18
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	4	0.18
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	4	0.18
(3,8)	1:27:A:ILE:HD11	1:30:A:TRP:HZ2	7	0.18
(3,8)	1:27:A:ILE:HD12	1:30:A:TRP:HZ2	7	0.18
(3,8)	1:27:A:ILE:HD13	1:30:A:TRP:HZ2	7	0.18
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	11	0.18
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	11	0.18
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	11	0.18
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	3	0.18
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	3	0.18
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	3	0.18
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	4	0.18
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	4	0.18
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	4	0.18
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	10	0.18
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	10	0.18
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	10	0.18
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	11	0.18
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	11	0.18
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	11	0.18
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	15	0.18
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	15	0.18
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	15	0.18
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE1	4	0.18
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE2	4	0.18
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE3	4	0.18
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	7	0.18
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	7	0.18
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	7	0.18
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	14	0.18
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	14	0.18
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	14	0.18
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	1	0.18
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	1	0.18
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	1	0.18
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	1	0.18
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	1	0.18
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	1	0.18
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	4	0.18
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	4	0.18
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	4	0.18
(2,3555)	1:65:A:ALA:HB1	1:66:A:ALA:H	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3555)	1:65:A:ALA:HB2	1:66:A:ALA:H	14	0.18
(2,3555)	1:65:A:ALA:HB3	1:66:A:ALA:H	14	0.18
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	15	0.18
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	15	0.18
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	15	0.18
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	15	0.18
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	15	0.18
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	15	0.18
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE1	4	0.18
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE2	4	0.18
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE3	4	0.18
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE1	4	0.18
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE2	4	0.18
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE3	4	0.18
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE1	4	0.18
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE2	4	0.18
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE3	4	0.18
(2,3492)	1:35:A:VAL:H	1:51:A:MET:HE1	18	0.18
(2,3492)	1:35:A:VAL:H	1:51:A:MET:HE2	18	0.18
(2,3492)	1:35:A:VAL:H	1:51:A:MET:HE3	18	0.18
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG21	7	0.18
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG22	7	0.18
(2,3486)	1:135:A:SER:HA	1:130:A:THR:HG23	7	0.18
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG21	12	0.18
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG22	12	0.18
(2,3471)	1:71:A:GLY:HA3	1:73:A:VAL:HG23	12	0.18
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	6	0.18
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	6	0.18
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	6	0.18
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	4	0.18
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	4	0.18
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	4	0.18
(2,3466)	1:67:A:VAL:HG21	1:164:A:THR:HA	14	0.18
(2,3466)	1:67:A:VAL:HG22	1:164:A:THR:HA	14	0.18
(2,3466)	1:67:A:VAL:HG23	1:164:A:THR:HA	14	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	1	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	1	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	1	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	5	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	5	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	5	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	6	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	6	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	12	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	12	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	12	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	18	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	18	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	18	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	19	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	19	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	19	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG21	20	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG22	20	0.18
(2,3357)	1:147:A:VAL:HA	1:147:A:VAL:HG23	20	0.18
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	11	0.18
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	11	0.18
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	11	0.18
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	10	0.18
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	10	0.18
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	10	0.18
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD11	18	0.18
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD12	18	0.18
(2,3234)	1:84:A:VAL:HA	1:86:A:LEU:HD13	18	0.18
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	2	0.18
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	2	0.18
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	2	0.18
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG3	10	0.18
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG2	10	0.18
(2,3219)	1:127:A:ALA:H	1:126:A:LYS:HG3	4	0.18
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	17	0.18
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	17	0.18
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	17	0.18
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	9	0.18
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	9	0.18
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	9	0.18
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	15	0.18
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	15	0.18
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	15	0.18
(2,3138)	1:110:A:ILE:HG21	1:103:A:ILE:HG13	17	0.18
(2,3138)	1:110:A:ILE:HG22	1:103:A:ILE:HG13	17	0.18
(2,3138)	1:110:A:ILE:HG23	1:103:A:ILE:HG13	17	0.18
(2,3128)	1:68:A:ARG:HA	1:68:A:ARG:HG3	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	8	0.18
(2,2984)	1:75:A:GLN:HA	1:75:A:GLN:HB2	12	0.18
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	18	0.18
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	13	0.18
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	14	0.18
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	7	0.18
(2,2946)	1:167:A:ARG:HD3	1:167:A:ARG:HB2	10	0.18
(2,2946)	1:167:A:ARG:HD2	1:167:A:ARG:HB2	10	0.18
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	2	0.18
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	15	0.18
(2,2778)	1:55:A:PRO:HB3	1:27:A:ILE:HG12	12	0.18
(2,2778)	1:55:A:PRO:HB2	1:27:A:ILE:HG12	12	0.18
(2,2763)	1:83:A:GLU:HA	1:146:A:GLN:HG3	3	0.18
(2,2724)	1:51:A:MET:HB3	1:49:A:MET:HB2	2	0.18
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	16	0.18
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	16	0.18
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	16	0.18
(2,2650)	1:126:A:LYS:HB2	1:125:A:VAL:HB	16	0.18
(2,2650)	1:126:A:LYS:HB2	1:125:A:VAL:HB	18	0.18
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	13	0.18
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	4	0.18
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	3	0.18
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	4	0.18
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	6	0.18
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	9	0.18
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	10	0.18
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	14	0.18
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	17	0.18
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	19	0.18
(2,2409)	1:57:A:TYR:HB2	1:25:A:LYS:HD3	1	0.18
(2,2409)	1:57:A:TYR:HB2	1:25:A:LYS:HD2	1	0.18
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	18	0.18
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	18	0.18
(2,2378)	1:70:A:ASP:HA	1:70:A:ASP:HB3	19	0.18
(2,2377)	1:63:A:ASP:HA	1:63:A:ASP:HB2	11	0.18
(2,2376)	1:70:A:ASP:H	1:70:A:ASP:HB3	19	0.18
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	18	0.18
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	18	0.18
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	18	0.18
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG21	8	0.18
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG22	8	0.18
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG23	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	19	0.18
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	19	0.18
(2,2276)	1:109:A:THR:HG21	1:104:A:ARG:HD2	8	0.18
(2,2276)	1:109:A:THR:HG22	1:104:A:ARG:HD2	8	0.18
(2,2276)	1:109:A:THR:HG23	1:104:A:ARG:HD2	8	0.18
(2,2276)	1:109:A:THR:HG21	1:104:A:ARG:HD3	8	0.18
(2,2276)	1:109:A:THR:HG22	1:104:A:ARG:HD3	8	0.18
(2,2276)	1:109:A:THR:HG23	1:104:A:ARG:HD3	8	0.18
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD11	6	0.18
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD12	6	0.18
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD13	6	0.18
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	4	0.18
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	4	0.18
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	4	0.18
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	4	0.18
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	5	0.18
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	5	0.18
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	5	0.18
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	5	0.18
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	16	0.18
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	16	0.18
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	16	0.18
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	16	0.18
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	12	0.18
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	12	0.18
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	11	0.18
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	11	0.18
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	11	0.18
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	14	0.18
(2,2218)	1:94:A:ARG:HA	1:94:A:ARG:HD2	4	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	3	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	3	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	3	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	4	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	4	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	4	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	6	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	6	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	6	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	7	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	7	0.18
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2165)	1:119:A:GLY:H	1:118:A:GLY:HA2	3	0.18
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	6	0.18
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	6	0.18
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	6	0.18
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	16	0.18
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	16	0.18
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	16	0.18
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	17	0.18
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	17	0.18
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	17	0.18
(2,2107)	1:71:A:GLY:HA2	1:71:A:GLY:H	9	0.18
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	8	0.18
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	13	0.18
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	13	0.18
(2,2028)	1:149:A:VAL:HG21	1:98:A:PRO:HD2	3	0.18
(2,2028)	1:149:A:VAL:HG22	1:98:A:PRO:HD2	3	0.18
(2,2028)	1:149:A:VAL:HG23	1:98:A:PRO:HD2	3	0.18
(2,2028)	1:149:A:VAL:HG21	1:98:A:PRO:HD2	7	0.18
(2,2028)	1:149:A:VAL:HG22	1:98:A:PRO:HD2	7	0.18
(2,2028)	1:149:A:VAL:HG23	1:98:A:PRO:HD2	7	0.18
(2,2011)	1:110:A:ILE:HG21	1:122:A:PRO:HD3	1	0.18
(2,2011)	1:110:A:ILE:HG22	1:122:A:PRO:HD3	1	0.18
(2,2011)	1:110:A:ILE:HG23	1:122:A:PRO:HD3	1	0.18
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	12	0.18
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	5	0.18
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	5	0.18
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	19	0.18
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	19	0.18
(2,1887)	1:94:A:ARG:HA	1:94:A:ARG:HD2	18	0.18
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	1	0.18
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	1	0.18
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	1	0.18
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	4	0.18
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	4	0.18
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	4	0.18
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	18	0.18
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	18	0.18
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	18	0.18
(2,1791)	1:108:A:ARG:HA	1:109:A:THR:H	1	0.18
(2,1786)	1:25:A:LYS:HA	1:26:A:ARG:H	5	0.18
(2,1762)	1:75:A:GLN:HA	1:76:A:ASN:H	12	0.18
(2,1709)	1:121:A:ASP:HB2	1:120:A:PHE:HA	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	12	0.18
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	1	0.18
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	12	0.18
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	14	0.18
(2,1587)	1:103:A:ILE:HG21	1:105:A:THR:HA	17	0.18
(2,1587)	1:103:A:ILE:HG22	1:105:A:THR:HA	17	0.18
(2,1587)	1:103:A:ILE:HG23	1:105:A:THR:HA	17	0.18
(2,1584)	1:104:A:ARG:HD3	1:105:A:THR:HA	4	0.18
(2,1584)	1:104:A:ARG:HD2	1:105:A:THR:HA	4	0.18
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	17	0.18
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	3	0.18
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	3	0.18
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	3	0.18
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	3	0.18
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	3	0.18
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	3	0.18
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	7	0.18
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	7	0.18
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	9	0.18
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	9	0.18
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	4	0.18
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	10	0.18
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	14	0.18
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	5	0.18
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	3	0.18
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	1	0.18
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	2	0.18
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	3	0.18
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	6	0.18
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	7	0.18
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	11	0.18
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	14	0.18
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	15	0.18
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	19	0.18
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	20	0.18
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	14	0.18
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	15	0.18
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	6	0.18
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	19	0.18
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	12	0.18
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	12	0.18
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	19	0.18
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	19	0.18
(2,1254)	1:118:A:GLY:H	1:117:A:GLU:HA	13	0.18
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	13	0.18
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	13	0.18
(2,1215)	1:140:A:GLY:H	1:141:A:LEU:HA	14	0.18
(2,1156)	1:46:A:SER:HB2	1:49:A:MET:H	16	0.18
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	14	0.18
(2,992)	1:172:A:THR:H	1:171:A:THR:HB	4	0.18
(2,905)	1:74:A:THR:H	1:73:A:VAL:HG21	16	0.18
(2,905)	1:74:A:THR:H	1:73:A:VAL:HG22	16	0.18
(2,905)	1:74:A:THR:H	1:73:A:VAL:HG23	16	0.18
(2,905)	1:74:A:THR:H	1:73:A:VAL:HG11	16	0.18
(2,905)	1:74:A:THR:H	1:73:A:VAL:HG12	16	0.18
(2,905)	1:74:A:THR:H	1:73:A:VAL:HG13	16	0.18
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	6	0.18
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG21	17	0.18
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG22	17	0.18
(2,786)	1:88:A:ARG:H	1:92:A:THR:HG23	17	0.18
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	20	0.18
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	3	0.18
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	17	0.18
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	19	0.18
(2,697)	1:19:A:ALA:HB1	1:20:A:GLU:H	7	0.18
(2,697)	1:19:A:ALA:HB2	1:20:A:GLU:H	7	0.18
(2,697)	1:19:A:ALA:HB3	1:20:A:GLU:H	7	0.18
(2,688)	1:61:A:ASN:H	1:60:A:GLU:HA	16	0.18
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	10	0.18
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	14	0.18
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	20	0.18
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	10	0.18
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	10	0.18
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	10	0.18
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	15	0.18
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	15	0.18
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	15	0.18
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	5	0.18
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	1	0.18
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	10	0.18
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	15	0.18
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	10	0.18
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	10	0.18
(2,610)	1:51:A:MET:H	1:45:A:LYS:HA	3	0.18
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	5	0.18
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	13	0.18
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	9	0.18
(2,550)	1:168:A:MET:HA	1:169:A:GLN:H	5	0.18
(2,519)	1:168:A:MET:H	1:167:A:ARG:HB2	16	0.18
(2,505)	1:168:A:MET:H	1:167:A:ARG:H	18	0.18
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	15	0.18
(2,444)	1:60:A:GLU:HA	1:60:A:GLU:H	9	0.18
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD11	18	0.18
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD12	18	0.18
(2,428)	1:77:A:LEU:H	1:77:A:LEU:HD13	18	0.18
(2,421)	1:22:A:LYS:H	1:22:A:LYS:HB2	2	0.18
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	18	0.18
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	2	0.18
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	5	0.18
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	10	0.18
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA3	1	0.18
(2,269)	1:21:A:LEU:H	1:24:A:GLY:HA2	1	0.18
(2,262)	1:19:A:ALA:HB1	1:19:A:ALA:H	10	0.18
(2,262)	1:19:A:ALA:HB2	1:19:A:ALA:H	10	0.18
(2,262)	1:19:A:ALA:HB3	1:19:A:ALA:H	10	0.18
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	14	0.18
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	8	0.18
(2,243)	1:94:A:ARG:H	1:92:A:THR:HA	4	0.18
(2,232)	1:70:A:ASP:H	1:69:A:ILE:HB	18	0.18
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD21	2	0.18
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD22	2	0.18
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD23	2	0.18
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD11	2	0.18
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD12	2	0.18
(2,227)	1:137:A:ILE:H	1:96:A:LEU:HD13	2	0.18
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	7	0.18
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	7	0.18
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	7	0.18
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG21	13	0.18
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG22	13	0.18
(2,226)	1:137:A:ILE:H	1:137:A:ILE:HG23	13	0.18
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	18	0.18
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	18	0.18
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,120)	1:123:A:VAL:H	1:122:A:PRO:HG2	11	0.18
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	9	0.18
(1,657)	1:26:A:ARG:HB3	1:25:A:LYS:H	6	0.18
(1,657)	1:26:A:ARG:HB2	1:25:A:LYS:H	6	0.18
(1,657)	1:26:A:ARG:HB3	1:25:A:LYS:H	10	0.18
(1,657)	1:26:A:ARG:HB2	1:25:A:LYS:H	10	0.18
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	9	0.18
(1,553)	1:50:A:ASP:HB2	1:50:A:ASP:H	15	0.18
(1,470)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	3	0.18
(1,470)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	3	0.18
(1,470)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	3	0.18
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	7	0.18
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	7	0.18
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	7	0.18
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	7	0.18
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	7	0.18
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	7	0.18
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	7	0.18
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	7	0.18
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	7	0.18
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	18	0.18
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	18	0.18
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	18	0.18
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	18	0.18
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	18	0.18
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	18	0.18
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	18	0.18
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	18	0.18
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	18	0.18
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	2	0.18
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	2	0.18
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	2	0.18
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	16	0.18
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	16	0.18
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	16	0.18
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	9	0.18
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	11	0.18
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	7	0.18
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	1	0.18
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	2	0.18
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	14	0.18
(1,236)	1:57:A:TYR:H	1:57:A:TYR:HB2	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	3	0.18
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	16	0.18
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	6	0.18
(1,76)	1:36:A:PRO:HD3	1:36:A:PRO:HA	14	0.18
(1,76)	1:36:A:PRO:HD3	1:36:A:PRO:HA	20	0.18
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	13	0.18
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	13	0.18
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD1	1	0.18
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD2	1	0.18
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD1	1	0.18
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD2	1	0.18
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD1	1	0.18
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD2	1	0.18
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE1	6	0.18
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE2	6	0.18
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	1	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	1	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	1	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	1	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	1	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	1	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	10	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	10	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	10	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	10	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	10	0.17
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	10	0.17
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	13	0.17
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	13	0.17
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	2	0.17
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	5	0.17
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	11	0.17
(3,87)	1:38:A:GLN:HG3	1:35:A:VAL:HG21	3	0.17
(3,87)	1:38:A:GLN:HG3	1:35:A:VAL:HG22	3	0.17
(3,87)	1:38:A:GLN:HG3	1:35:A:VAL:HG23	3	0.17
(3,87)	1:38:A:GLN:HG2	1:35:A:VAL:HG21	3	0.17
(3,87)	1:38:A:GLN:HG2	1:35:A:VAL:HG22	3	0.17
(3,87)	1:38:A:GLN:HG2	1:35:A:VAL:HG23	3	0.17
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	7	0.17
(3,23)	1:31:A:ARG:HB3	1:40:A:PHE:HD1	9	0.17
(3,23)	1:31:A:ARG:HB3	1:40:A:PHE:HD2	9	0.17
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	3	0.17
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	17	0.17
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	17	0.17
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	17	0.17
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	14	0.17
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	14	0.17
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	14	0.17
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	15	0.17
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	15	0.17
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	15	0.17
(2,3624)	1:168:A:MET:H	1:168:A:MET:HE1	8	0.17
(2,3624)	1:168:A:MET:H	1:168:A:MET:HE2	8	0.17
(2,3624)	1:168:A:MET:H	1:168:A:MET:HE3	8	0.17
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	6	0.17
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	6	0.17
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	6	0.17
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	16	0.17
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	16	0.17
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	16	0.17
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	17	0.17
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	17	0.17
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	17	0.17
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	20	0.17
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	20	0.17
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	20	0.17
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	2	0.17
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	2	0.17
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	2	0.17
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	3	0.17
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	3	0.17
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	3	0.17
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	4	0.17
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	4	0.17
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	4	0.17
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	6	0.17
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	6	0.17
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	6	0.17
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	9	0.17
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	9	0.17
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	9	0.17
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	10	0.17
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	10	0.17
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	14	0.17
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	14	0.17
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	14	0.17
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	18	0.17
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	18	0.17
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	18	0.17
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	20	0.17
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	20	0.17
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	20	0.17
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	8	0.17
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	8	0.17
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	8	0.17
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE1	18	0.17
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE2	18	0.17
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE3	18	0.17
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE1	18	0.17
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE2	18	0.17
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE3	18	0.17
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE1	18	0.17
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE2	18	0.17
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE3	18	0.17
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	1	0.17
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	1	0.17
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	1	0.17
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	1	0.17
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	1	0.17
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	1	0.17
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	11	0.17
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	11	0.17
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	11	0.17
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	20	0.17
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	20	0.17
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	20	0.17
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB1	8	0.17
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB2	8	0.17
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB3	8	0.17
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB1	9	0.17
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB2	9	0.17
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB3	9	0.17
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB1	11	0.17
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB3	11	0.17
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	6	0.17
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	6	0.17
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	6	0.17
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	13	0.17
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	13	0.17
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	13	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	3	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	3	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	3	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	6	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	6	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	6	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	7	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	7	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	7	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	8	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	8	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	8	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	11	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	11	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	11	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	13	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	13	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	13	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	14	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	14	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	14	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	15	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	15	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	15	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	16	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	16	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	16	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	19	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	19	0.17
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	19	0.17
(2,3492)	1:35:A:VAL:H	1:51:A:MET:HE1	20	0.17
(2,3492)	1:35:A:VAL:H	1:51:A:MET:HE2	20	0.17
(2,3492)	1:35:A:VAL:H	1:51:A:MET:HE3	20	0.17
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB1	13	0.17
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3402)	1:97:A:VAL:HG21	1:131:A:ALA:HB3	13	0.17
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB1	13	0.17
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB2	13	0.17
(2,3402)	1:97:A:VAL:HG22	1:131:A:ALA:HB3	13	0.17
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB1	13	0.17
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB2	13	0.17
(2,3402)	1:97:A:VAL:HG23	1:131:A:ALA:HB3	13	0.17
(2,3384)	1:138:A:LEU:HD11	1:94:A:ARG:HD2	4	0.17
(2,3384)	1:138:A:LEU:HD12	1:94:A:ARG:HD2	4	0.17
(2,3384)	1:138:A:LEU:HD13	1:94:A:ARG:HD2	4	0.17
(2,3384)	1:138:A:LEU:HD11	1:94:A:ARG:HD3	4	0.17
(2,3384)	1:138:A:LEU:HD12	1:94:A:ARG:HD3	4	0.17
(2,3384)	1:138:A:LEU:HD13	1:94:A:ARG:HD3	4	0.17
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB1	17	0.17
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB2	17	0.17
(2,3369)	1:123:A:VAL:HB	1:111:A:ALA:HB3	17	0.17
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	4	0.17
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	4	0.17
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	4	0.17
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	10	0.17
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	10	0.17
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	10	0.17
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	12	0.17
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	12	0.17
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	12	0.17
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	5	0.17
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	5	0.17
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	5	0.17
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	13	0.17
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	13	0.17
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	13	0.17
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	7	0.17
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	7	0.17
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	7	0.17
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	14	0.17
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	14	0.17
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	14	0.17
(2,3253)	1:86:A:LEU:HD21	1:93:A:GLU:HB3	13	0.17
(2,3253)	1:86:A:LEU:HD22	1:93:A:GLU:HB3	13	0.17
(2,3253)	1:86:A:LEU:HD23	1:93:A:GLU:HB3	13	0.17
(2,3253)	1:86:A:LEU:HD21	1:93:A:GLU:HB2	13	0.17
(2,3253)	1:86:A:LEU:HD22	1:93:A:GLU:HB2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3253)	1:86:A:LEU:HD23	1:93:A:GLU:HB2	13	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	2	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	2	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	2	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	3	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	3	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	3	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	4	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	4	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	4	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	5	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	5	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	5	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	7	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	7	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	7	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	8	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	8	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	8	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	9	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	9	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	9	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	10	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	10	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	10	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	11	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	11	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	11	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	12	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	12	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	12	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	13	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	13	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	13	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	14	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	14	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	14	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	15	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	15	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	15	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	19	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	19	0.17
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	20	0.17
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	20	0.17
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	20	0.17
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	16	0.17
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	16	0.17
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	16	0.17
(2,3129)	1:87:A:GLY:H	1:86:A:LEU:HG	6	0.17
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	4	0.17
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	5	0.17
(2,3001)	1:127:A:ALA:H	1:126:A:LYS:HD2	8	0.17
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	10	0.17
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	5	0.17
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	10	0.17
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	8	0.17
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	19	0.17
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	20	0.17
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	14	0.17
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	3	0.17
(2,2797)	1:80:A:ARG:H	1:80:A:ARG:HB3	1	0.17
(2,2796)	1:22:A:LYS:H	1:22:A:LYS:HB3	1	0.17
(2,2778)	1:55:A:PRO:HB3	1:27:A:ILE:HG12	16	0.17
(2,2778)	1:55:A:PRO:HB2	1:27:A:ILE:HG12	16	0.17
(2,2765)	1:81:A:THR:HG21	1:146:A:GLN:HG3	10	0.17
(2,2765)	1:81:A:THR:HG22	1:146:A:GLN:HG3	10	0.17
(2,2765)	1:81:A:THR:HG23	1:146:A:GLN:HG3	10	0.17
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	4	0.17
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	4	0.17
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	4	0.17
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	6	0.17
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	6	0.17
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	6	0.17
(2,2708)	1:126:A:LYS:HB3	1:139:A:GLU:HB2	5	0.17
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	3	0.17
(2,2656)	1:126:A:LYS:HB3	1:125:A:VAL:HB	2	0.17
(2,2636)	1:31:A:ARG:HB2	1:37:A:GLY:H	11	0.17
(2,2620)	1:139:A:GLU:H	1:125:A:VAL:HB	18	0.17
(2,2543)	1:100:A:GLU:H	1:100:A:GLU:HG3	9	0.17
(2,2542)	1:58:A:GLU:HG2	1:60:A:GLU:H	6	0.17
(2,2542)	1:58:A:GLU:HG2	1:60:A:GLU:H	14	0.17
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	11	0.17
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	6	0.17
(2,2460)	1:77:A:LEU:H	1:76:A:ASN:HB3	20	0.17
(2,2424)	1:54:A:ILE:HB	1:33:A:PRO:HD2	7	0.17
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE1	14	0.17
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE2	14	0.17
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE3	14	0.17
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	8	0.17
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	8	0.17
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE2	18	0.17
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE3	18	0.17
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	6	0.17
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	20	0.17
(2,2213)	1:121:A:ASP:HB2	1:115:A:LYS:HD3	14	0.17
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	14	0.17
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	14	0.17
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	14	0.17
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	2	0.17
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	2	0.17
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	2	0.17
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	13	0.17
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	13	0.17
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	13	0.17
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB1	18	0.17
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB2	18	0.17
(2,2179)	1:128:A:GLY:HA2	1:129:A:ALA:HB3	18	0.17
(2,2169)	1:8:A:GLY:HA3	1:9:A:PRO:HD3	10	0.17
(2,2169)	1:8:A:GLY:HA3	1:9:A:PRO:HD2	10	0.17
(2,2137)	1:2:A:GLY:HA2	1:3:A:SER:HB2	12	0.17
(2,2137)	1:2:A:GLY:HA3	1:3:A:SER:HB2	12	0.17
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	5	0.17
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	5	0.17
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	5	0.17
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	9	0.17
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	9	0.17
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	9	0.17
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	12	0.17
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	9	0.17
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	2	0.17
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	2	0.17
(2,1897)	1:143:A:ALA:HA	1:85:A:LYS:HG2	6	0.17
(2,1897)	1:143:A:ALA:HA	1:85:A:LYS:HG2	18	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	7	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	7	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	11	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	11	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	11	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	12	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	12	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	12	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	17	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	17	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	17	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	18	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	18	0.17
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	18	0.17
(2,1848)	1:83:A:GLU:H	1:146:A:GLN:HA	4	0.17
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	17	0.17
(2,1791)	1:108:A:ARG:HA	1:109:A:THR:H	2	0.17
(2,1791)	1:108:A:ARG:HA	1:109:A:THR:H	15	0.17
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	13	0.17
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	2	0.17
(2,1781)	1:168:A:MET:HA	1:168:A:MET:HG3	18	0.17
(2,1746)	1:73:A:VAL:H	1:72:A:ARG:HA	10	0.17
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	9	0.17
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	14	0.17
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	4	0.17
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	17	0.17
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	2	0.17
(2,1584)	1:104:A:ARG:HD3	1:105:A:THR:HA	12	0.17
(2,1584)	1:104:A:ARG:HD2	1:105:A:THR:HA	12	0.17
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	10	0.17
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	10	0.17
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	10	0.17
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	1	0.17
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	7	0.17
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	2	0.17
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	4	0.17
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	2	0.17
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	6	0.17
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	8	0.17
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	9	0.17
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	14	0.17
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	20	0.17
(2,1396)	1:157:A:SER:HB2	1:157:A:SER:HA	4	0.17
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	4	0.17
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	8	0.17
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	10	0.17
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	17	0.17
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	18	0.17
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	7	0.17
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	9	0.17
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	6	0.17
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	6	0.17
(2,1253)	1:116:A:GLY:H	1:119:A:GLY:H	19	0.17
(2,1247)	1:78:A:GLY:H	1:79:A:VAL:HB	4	0.17
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	3	0.17
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	3	0.17
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	9	0.17
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	9	0.17
(2,1231)	1:63:A:ASP:HA	1:64:A:GLY:H	5	0.17
(2,1231)	1:63:A:ASP:HA	1:64:A:GLY:H	15	0.17
(2,1215)	1:140:A:GLY:H	1:141:A:LEU:HA	15	0.17
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD11	1	0.17
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD12	1	0.17
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD13	1	0.17
(2,1162)	1:48:A:TYR:HB3	1:49:A:MET:H	17	0.17
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	9	0.17
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	12	0.17
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	11	0.17
(2,1125)	1:94:A:ARG:HB2	1:87:A:GLY:H	15	0.17
(2,980)	1:93:A:GLU:H	1:92:A:THR:H	9	0.17
(2,980)	1:93:A:GLU:H	1:92:A:THR:H	15	0.17
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	6	0.17
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	6	0.17
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	6	0.17
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	7	0.17
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	9	0.17
(2,834)	1:104:A:ARG:HB2	1:105:A:THR:H	20	0.17
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	15	0.17
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	17	0.17
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	3	0.17
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	14	0.17
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	12	0.17
(2,723)	1:145:A:GLN:H	1:146:A:GLN:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	1	0.17
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	17	0.17
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	17	0.17
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	17	0.17
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	11	0.17
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	11	0.17
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	11	0.17
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	15	0.17
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	15	0.17
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	15	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	1	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	1	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	1	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	5	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	5	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	5	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	12	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	12	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	12	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	14	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	14	0.17
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	14	0.17
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	5	0.17
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	17	0.17
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	17	0.17
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	17	0.17
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	17	0.17
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	18	0.17
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	10	0.17
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	6	0.17
(2,570)	1:74:A:THR:HG21	1:73:A:VAL:H	8	0.17
(2,570)	1:74:A:THR:HG22	1:73:A:VAL:H	8	0.17
(2,570)	1:74:A:THR:HG23	1:73:A:VAL:H	8	0.17
(2,564)	1:73:A:VAL:H	1:72:A:ARG:HA	17	0.17
(2,529)	1:175:A:LEU:H	1:175:A:LEU:HB3	9	0.17
(2,529)	1:175:A:LEU:H	1:175:A:LEU:HB2	9	0.17
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	4	0.17
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	4	0.17
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	4	0.17
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	10	0.17
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	10	0.17
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	12	0.17
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	7	0.17
(2,446)	1:60:A:GLU:H	1:55:A:PRO:HB3	13	0.17
(2,423)	1:76:A:ASN:H	1:77:A:LEU:H	7	0.17
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	12	0.17
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	8	0.17
(2,340)	1:121:A:ASP:HB3	1:121:A:ASP:H	18	0.17
(2,331)	1:69:A:ILE:HG12	1:69:A:ILE:H	10	0.17
(2,291)	1:115:A:LYS:H	1:119:A:GLY:HA2	13	0.17
(2,285)	1:115:A:LYS:H	1:118:A:GLY:H	19	0.17
(2,259)	1:19:A:ALA:H	1:18:A:GLY:H	20	0.17
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	1	0.17
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	18	0.17
(2,238)	1:87:A:GLY:HA3	1:94:A:ARG:H	11	0.17
(2,232)	1:70:A:ASP:H	1:69:A:ILE:HB	20	0.17
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB1	5	0.17
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB2	5	0.17
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB3	5	0.17
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	16	0.17
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	16	0.17
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	16	0.17
(2,87)	1:89:A:LEU:H	1:90:A:GLY:H	10	0.17
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	2	0.17
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	15	0.17
(1,485)	1:62:A:ALA:H	1:58:A:GLU:HG3	13	0.17
(1,474)	1:39:A:ARG:H	1:38:A:GLN:HE22	12	0.17
(1,470)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	19	0.17
(1,470)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	19	0.17
(1,470)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	19	0.17
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	4	0.17
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	4	0.17
(1,446)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	4	0.17
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	4	0.17
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	4	0.17
(1,446)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	4	0.17
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	4	0.17
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	4	0.17
(1,446)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	4	0.17
(1,408)	1:49:A:MET:HE1	1:48:A:TYR:HA	17	0.17
(1,408)	1:49:A:MET:HE2	1:48:A:TYR:HA	17	0.17
(1,408)	1:49:A:MET:HE3	1:48:A:TYR:HA	17	0.17
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	1	0.17
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	1	0.17
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	1	0.17
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	1	0.17
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	1	0.17
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	1	0.17
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	1	0.17
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	1	0.17
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	6	0.17
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	7	0.17
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	18	0.17
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	19	0.17
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	18	0.17
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	6	0.17
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	7	0.17
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	9	0.17
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	11	0.17
(1,260)	1:29:A:TYR:HB3	1:28:A:LEU:HB3	10	0.17
(1,218)	1:39:A:ARG:HB3	1:39:A:ARG:HD2	9	0.17
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	17	0.17
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	19	0.17
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	8	0.17
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	8	0.17
(1,45)	1:35:A:VAL:HB	1:48:A:TYR:HD1	2	0.17
(1,45)	1:35:A:VAL:HB	1:48:A:TYR:HD2	2	0.17
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD1	6	0.17
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD2	6	0.17
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD1	6	0.17
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD2	6	0.17
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD1	6	0.17
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD2	6	0.17
(3,118)	1:46:A:SER:H	1:51:A:MET:HB2	4	0.16
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	13	0.16
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	13	0.16
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	13	0.16
(3,77)	1:39:A:ARG:H	1:39:A:ARG:HG2	15	0.16
(3,77)	1:39:A:ARG:H	1:39:A:ARG:HG3	15	0.16
(3,63)	1:51:A:MET:H	1:49:A:MET:HG3	11	0.16
(3,43)	1:24:A:GLY:HA3	1:25:A:LYS:HD3	14	0.16
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD2	14	0.16
(3,43)	1:24:A:GLY:HA2	1:25:A:LYS:HD3	14	0.16
(3,29)	1:33:A:PRO:HA	1:31:A:ARG:HD3	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	7	0.16
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	7	0.16
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	14	0.16
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	14	0.16
(3,10)	1:62:A:ALA:HB1	1:30:A:TRP:HH2	5	0.16
(3,10)	1:62:A:ALA:HB2	1:30:A:TRP:HH2	5	0.16
(3,10)	1:62:A:ALA:HB3	1:30:A:TRP:HH2	5	0.16
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	8	0.16
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	8	0.16
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	8	0.16
(2,3648)	1:27:A:ILE:HD11	1:60:A:GLU:H	4	0.16
(2,3648)	1:27:A:ILE:HD12	1:60:A:GLU:H	4	0.16
(2,3648)	1:27:A:ILE:HD13	1:60:A:GLU:H	4	0.16
(2,3625)	1:167:A:ARG:HA	1:168:A:MET:HE1	17	0.16
(2,3625)	1:167:A:ARG:HA	1:168:A:MET:HE2	17	0.16
(2,3625)	1:167:A:ARG:HA	1:168:A:MET:HE3	17	0.16
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	3	0.16
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	3	0.16
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	3	0.16
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	10	0.16
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	10	0.16
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	10	0.16
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	19	0.16
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	19	0.16
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	19	0.16
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	5	0.16
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	5	0.16
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	5	0.16
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	7	0.16
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	7	0.16
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	7	0.16
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	8	0.16
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	8	0.16
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	8	0.16
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	12	0.16
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	12	0.16
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	12	0.16
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	15	0.16
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	15	0.16
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	15	0.16
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	17	0.16
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	17	0.16
(2,3575)	1:147:A:VAL:HG11	1:147:A:VAL:H	12	0.16
(2,3575)	1:147:A:VAL:HG12	1:147:A:VAL:H	12	0.16
(2,3575)	1:147:A:VAL:HG13	1:147:A:VAL:H	12	0.16
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	7	0.16
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	7	0.16
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	7	0.16
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	7	0.16
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	7	0.16
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	7	0.16
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	5	0.16
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	5	0.16
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	5	0.16
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	16	0.16
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	16	0.16
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	16	0.16
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	16	0.16
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	16	0.16
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	16	0.16
(2,3535)	1:129:A:ALA:HB1	1:135:A:SER:HA	3	0.16
(2,3535)	1:129:A:ALA:HB2	1:135:A:SER:HA	3	0.16
(2,3535)	1:129:A:ALA:HB3	1:135:A:SER:HA	3	0.16
(2,3518)	1:49:A:MET:HA	1:49:A:MET:HE1	7	0.16
(2,3518)	1:49:A:MET:HA	1:49:A:MET:HE2	7	0.16
(2,3518)	1:49:A:MET:HA	1:49:A:MET:HE3	7	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	1	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	1	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	1	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	4	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	4	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	4	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	5	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	5	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	5	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	9	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	9	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	9	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	10	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	10	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	10	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	12	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	12	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	18	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	18	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	18	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	20	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	20	0.16
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	20	0.16
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE1	16	0.16
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE2	16	0.16
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE3	16	0.16
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE1	18	0.16
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE2	18	0.16
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE3	18	0.16
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG21	3	0.16
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG22	3	0.16
(2,3469)	1:71:A:GLY:HA2	1:73:A:VAL:HG23	3	0.16
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG11	2	0.16
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG12	2	0.16
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG13	2	0.16
(2,3457)	1:80:A:ARG:HA	1:81:A:THR:HG21	8	0.16
(2,3457)	1:80:A:ARG:HA	1:81:A:THR:HG22	8	0.16
(2,3457)	1:80:A:ARG:HA	1:81:A:THR:HG23	8	0.16
(2,3450)	1:127:A:ALA:HB1	1:137:A:ILE:HD11	9	0.16
(2,3450)	1:127:A:ALA:HB1	1:137:A:ILE:HD12	9	0.16
(2,3450)	1:127:A:ALA:HB1	1:137:A:ILE:HD13	9	0.16
(2,3450)	1:127:A:ALA:HB2	1:137:A:ILE:HD11	9	0.16
(2,3450)	1:127:A:ALA:HB2	1:137:A:ILE:HD12	9	0.16
(2,3450)	1:127:A:ALA:HB2	1:137:A:ILE:HD13	9	0.16
(2,3450)	1:127:A:ALA:HB3	1:137:A:ILE:HD11	9	0.16
(2,3450)	1:127:A:ALA:HB3	1:137:A:ILE:HD12	9	0.16
(2,3450)	1:127:A:ALA:HB3	1:137:A:ILE:HD13	9	0.16
(2,3388)	1:34:A:MET:HE1	1:34:A:MET:HA	20	0.16
(2,3388)	1:34:A:MET:HE2	1:34:A:MET:HA	20	0.16
(2,3388)	1:34:A:MET:HE3	1:34:A:MET:HA	20	0.16
(2,3332)	1:84:A:VAL:HG21	1:95:A:LEU:H	15	0.16
(2,3332)	1:84:A:VAL:HG22	1:95:A:LEU:H	15	0.16
(2,3332)	1:84:A:VAL:HG23	1:95:A:LEU:H	15	0.16
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG21	11	0.16
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG22	11	0.16
(2,3326)	1:114:A:ALA:HA	1:113:A:VAL:HG23	11	0.16
(2,3321)	1:109:A:THR:HG21	1:104:A:ARG:HG2	5	0.16
(2,3321)	1:109:A:THR:HG22	1:104:A:ARG:HG2	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3321)	1:109:A:THR:HG23	1:104:A:ARG:HG2	5	0.16
(2,3284)	1:53:A:LEU:H	1:45:A:LYS:HG3	18	0.16
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	1	0.16
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	1	0.16
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	1	0.16
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	12	0.16
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	12	0.16
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	12	0.16
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	20	0.16
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	20	0.16
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	20	0.16
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	3	0.16
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	3	0.16
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	3	0.16
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	13	0.16
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	13	0.16
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	13	0.16
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD11	6	0.16
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD12	6	0.16
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD13	6	0.16
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	3	0.16
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	3	0.16
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	3	0.16
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	6	0.16
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	6	0.16
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	6	0.16
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	16	0.16
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	16	0.16
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	16	0.16
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	17	0.16
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	17	0.16
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	17	0.16
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	18	0.16
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	18	0.16
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	18	0.16
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	2	0.16
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	2	0.16
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	2	0.16
(2,3124)	1:77:A:LEU:HA	1:77:A:LEU:HG	20	0.16
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	12	0.16
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	5	0.16
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3054)	1:80:A:ARG:HG3	1:81:A:THR:H	20	0.16
(2,2984)	1:75:A:GLN:HA	1:75:A:GLN:HB2	19	0.16
(2,2982)	1:158:A:GLU:H	1:158:A:GLU:HB2	20	0.16
(2,2980)	1:75:A:GLN:H	1:75:A:GLN:HB3	13	0.16
(2,2973)	1:20:A:GLU:H	1:20:A:GLU:HB3	7	0.16
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	2	0.16
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	18	0.16
(2,2958)	1:162:A:ARG:H	1:162:A:ARG:HB3	15	0.16
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	1	0.16
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	13	0.16
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	15	0.16
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	11	0.16
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	8	0.16
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	13	0.16
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	13	0.16
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	13	0.16
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	20	0.16
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	20	0.16
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	20	0.16
(2,2737)	1:145:A:GLN:HA	1:146:A:GLN:HG2	4	0.16
(2,2685)	1:102:A:LEU:HB3	1:147:A:VAL:HB	16	0.16
(2,2572)	1:58:A:GLU:HG2	1:59:A:GLU:H	1	0.16
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	6	0.16
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	4	0.16
(2,2471)	1:69:A:ILE:HB	1:69:A:ILE:H	10	0.16
(2,2460)	1:77:A:LEU:H	1:76:A:ASN:HB3	16	0.16
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	19	0.16
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB1	4	0.16
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB2	4	0.16
(2,2457)	1:61:A:ASN:HB2	1:62:A:ALA:HB3	4	0.16
(2,2452)	1:61:A:ASN:HB2	1:63:A:ASP:H	13	0.16
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	1	0.16
(2,2443)	1:26:A:ARG:HA	1:27:A:ILE:HB	13	0.16
(2,2442)	1:61:A:ASN:HB2	1:61:A:ASN:HB3	16	0.16
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE1	1	0.16
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE2	1	0.16
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE3	1	0.16
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE1	10	0.16
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE2	10	0.16
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE3	10	0.16
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE1	17	0.16
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE3	17	0.16
(2,2377)	1:63:A:ASP:HA	1:63:A:ASP:HB2	8	0.16
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	7	0.16
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	7	0.16
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	12	0.16
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	12	0.16
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	7	0.16
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB1	19	0.16
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB2	19	0.16
(2,2195)	1:128:A:GLY:HA3	1:127:A:ALA:HB3	19	0.16
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	11	0.16
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	11	0.16
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	11	0.16
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	4	0.16
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	4	0.16
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	4	0.16
(2,2106)	1:24:A:GLY:HA3	1:24:A:GLY:H	8	0.16
(2,2094)	1:125:A:VAL:HG21	1:140:A:GLY:HA3	4	0.16
(2,2094)	1:125:A:VAL:HG22	1:140:A:GLY:HA3	4	0.16
(2,2094)	1:125:A:VAL:HG23	1:140:A:GLY:HA3	4	0.16
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	6	0.16
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	14	0.16
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	20	0.16
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	6	0.16
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	8	0.16
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	8	0.16
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	8	0.16
(2,1781)	1:168:A:MET:HA	1:168:A:MET:HG3	6	0.16
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	1	0.16
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	3	0.16
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	6	0.16
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	11	0.16
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	12	0.16
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	3	0.16
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	3	0.16
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	9	0.16
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	19	0.16
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	19	0.16
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	1	0.16
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	1	0.16
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	1	0.16
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	6	0.16
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	6	0.16
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	14	0.16
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	14	0.16
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	11	0.16
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	5	0.16
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	10	0.16
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	12	0.16
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	13	0.16
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	16	0.16
(2,1390)	1:148:A:VAL:HA	1:81:A:THR:HB	1	0.16
(2,1390)	1:148:A:VAL:HA	1:81:A:THR:HB	13	0.16
(2,1366)	1:32:A:ASP:HB2	1:33:A:PRO:HA	1	0.16
(2,1365)	1:33:A:PRO:HA	1:31:A:ARG:HD3	13	0.16
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	8	0.16
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	8	0.16
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	8	0.16
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	11	0.16
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	11	0.16
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	11	0.16
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	16	0.16
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	19	0.16
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	2	0.16
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	3	0.16
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	10	0.16
(2,1263)	1:118:A:GLY:H	1:115:A:LYS:HB2	19	0.16
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	17	0.16
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	17	0.16
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	17	0.16
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	2	0.16
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	2	0.16
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	4	0.16
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	4	0.16
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	14	0.16
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG21	9	0.16
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG22	9	0.16
(2,1208)	1:128:A:GLY:H	1:137:A:ILE:HG23	9	0.16
(2,1162)	1:48:A:TYR:HB3	1:49:A:MET:H	1	0.16
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	6	0.16
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	7	0.16
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	8	0.16
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1128)	1:86:A:LEU:HB3	1:87:A:GLY:H	6	0.16
(2,1072)	1:137:A:ILE:HB	1:141:A:LEU:H	18	0.16
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	3	0.16
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	16	0.16
(2,1023)	1:126:A:LYS:HG2	1:139:A:GLU:H	17	0.16
(2,980)	1:93:A:GLU:H	1:92:A:THR:H	19	0.16
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	20	0.16
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	20	0.16
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	20	0.16
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	7	0.16
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	12	0.16
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	17	0.16
(2,783)	1:88:A:ARG:H	1:93:A:GLU:HG2	20	0.16
(2,764)	1:117:A:GLU:HB3	1:117:A:GLU:H	12	0.16
(2,728)	1:146:A:GLN:HB2	1:146:A:GLN:H	3	0.16
(2,728)	1:146:A:GLN:HB2	1:146:A:GLN:H	15	0.16
(2,723)	1:145:A:GLN:H	1:146:A:GLN:H	4	0.16
(2,705)	1:168:A:MET:H	1:167:A:ARG:H	10	0.16
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	6	0.16
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	17	0.16
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	12	0.16
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	12	0.16
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	12	0.16
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	13	0.16
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	13	0.16
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	13	0.16
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	20	0.16
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	20	0.16
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	20	0.16
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	14	0.16
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	13	0.16
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	13	0.16
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	13	0.16
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	13	0.16
(2,610)	1:51:A:MET:H	1:45:A:LYS:HA	18	0.16
(2,601)	1:73:A:VAL:HA	1:72:A:ARG:H	1	0.16
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	3	0.16
(2,563)	1:53:A:LEU:HD21	1:45:A:LYS:H	20	0.16
(2,563)	1:53:A:LEU:HD22	1:45:A:LYS:H	20	0.16
(2,563)	1:53:A:LEU:HD23	1:45:A:LYS:H	20	0.16
(2,526)	1:84:A:VAL:HG21	1:95:A:LEU:H	15	0.16
(2,526)	1:84:A:VAL:HG22	1:95:A:LEU:H	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,526)	1:84:A:VAL:HG23	1:95:A:LEU:H	15	0.16
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	5	0.16
(2,513)	1:138:A:LEU:H	1:95:A:LEU:H	17	0.16
(2,511)	1:168:A:MET:H	1:168:A:MET:HE1	1	0.16
(2,511)	1:168:A:MET:H	1:168:A:MET:HE2	1	0.16
(2,511)	1:168:A:MET:H	1:168:A:MET:HE3	1	0.16
(2,509)	1:168:A:MET:H	1:167:A:ARG:HD3	13	0.16
(2,509)	1:168:A:MET:H	1:167:A:ARG:HD2	13	0.16
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	11	0.16
(2,447)	1:62:A:ALA:HB1	1:60:A:GLU:H	11	0.16
(2,447)	1:62:A:ALA:HB2	1:60:A:GLU:H	11	0.16
(2,447)	1:62:A:ALA:HB3	1:60:A:GLU:H	11	0.16
(2,423)	1:76:A:ASN:H	1:77:A:LEU:H	18	0.16
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	6	0.16
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	8	0.16
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	13	0.16
(2,416)	1:74:A:THR:HA	1:75:A:GLN:H	1	0.16
(2,368)	1:86:A:LEU:H	1:86:A:LEU:HD11	17	0.16
(2,368)	1:86:A:LEU:H	1:86:A:LEU:HD12	17	0.16
(2,368)	1:86:A:LEU:H	1:86:A:LEU:HD13	17	0.16
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	12	0.16
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	15	0.16
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	20	0.16
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	20	0.16
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	20	0.16
(2,322)	1:68:A:ARG:HA	1:69:A:ILE:H	3	0.16
(2,322)	1:68:A:ARG:HA	1:69:A:ILE:H	9	0.16
(2,321)	1:63:A:ASP:HA	1:69:A:ILE:H	5	0.16
(2,321)	1:63:A:ASP:HA	1:69:A:ILE:H	5	0.16
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	6	0.16
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	9	0.16
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	16	0.16
(2,278)	1:65:A:ALA:H	1:63:A:ASP:HB3	7	0.16
(2,278)	1:65:A:ALA:H	1:63:A:ASP:HB2	7	0.16
(2,265)	1:21:A:LEU:H	1:22:A:LYS:H	4	0.16
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	2	0.16
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	16	0.16
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	1	0.16
(2,238)	1:87:A:GLY:HA3	1:94:A:ARG:H	10	0.16
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB1	20	0.16
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB2	20	0.16
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB3	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	17	0.16
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	2	0.16
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	2	0.16
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	2	0.16
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	5	0.16
(2,48)	1:97:A:VAL:HG21	1:85:A:LYS:H	18	0.16
(2,48)	1:97:A:VAL:HG22	1:85:A:LYS:H	18	0.16
(2,48)	1:97:A:VAL:HG23	1:85:A:LYS:H	18	0.16
(1,600)	1:48:A:TYR:HB3	1:49:A:MET:H	4	0.16
(1,553)	1:50:A:ASP:HB2	1:50:A:ASP:H	1	0.16
(1,470)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	16	0.16
(1,470)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	16	0.16
(1,470)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	16	0.16
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE1	7	0.16
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE2	7	0.16
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE3	7	0.16
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE1	7	0.16
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE2	7	0.16
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE3	7	0.16
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE1	7	0.16
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE2	7	0.16
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE3	7	0.16
(1,408)	1:49:A:MET:HE1	1:48:A:TYR:HA	1	0.16
(1,408)	1:49:A:MET:HE2	1:48:A:TYR:HA	1	0.16
(1,408)	1:49:A:MET:HE3	1:48:A:TYR:HA	1	0.16
(1,406)	1:49:A:MET:HE1	1:48:A:TYR:HD1	15	0.16
(1,406)	1:49:A:MET:HE1	1:48:A:TYR:HD2	15	0.16
(1,406)	1:49:A:MET:HE2	1:48:A:TYR:HD1	15	0.16
(1,406)	1:49:A:MET:HE2	1:48:A:TYR:HD2	15	0.16
(1,406)	1:49:A:MET:HE3	1:48:A:TYR:HD1	15	0.16
(1,406)	1:49:A:MET:HE3	1:48:A:TYR:HD2	15	0.16
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	17	0.16
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	17	0.16
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	17	0.16
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	17	0.16
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	17	0.16
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	17	0.16
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	17	0.16
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	17	0.16
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	17	0.16
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	3	0.16
(1,343)	1:26:A:ARG:H	1:26:A:ARG:HG2	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	19	0.16
(1,315)	1:27:A:ILE:HD11	1:58:A:GLU:HB3	12	0.16
(1,315)	1:27:A:ILE:HD12	1:58:A:GLU:HB3	12	0.16
(1,315)	1:27:A:ILE:HD13	1:58:A:GLU:HB3	12	0.16
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	16	0.16
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	16	0.16
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	16	0.16
(1,242)	1:61:A:ASN:HB3	1:62:A:ALA:HB1	14	0.16
(1,242)	1:61:A:ASN:HB3	1:62:A:ALA:HB2	14	0.16
(1,242)	1:61:A:ASN:HB3	1:62:A:ALA:HB3	14	0.16
(1,236)	1:57:A:TYR:H	1:57:A:TYR:HB2	9	0.16
(1,184)	1:61:A:ASN:HA	1:61:A:ASN:HB2	17	0.16
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	6	0.16
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	7	0.16
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	12	0.16
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	12	0.16
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	17	0.15
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	17	0.15
(3,151)	1:53:A:LEU:HD21	1:49:A:MET:H	2	0.15
(3,151)	1:53:A:LEU:HD22	1:49:A:MET:H	2	0.15
(3,151)	1:53:A:LEU:HD23	1:49:A:MET:H	2	0.15
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	14	0.15
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG21	14	0.15
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG22	14	0.15
(3,99)	1:43:A:PRO:HB3	1:27:A:ILE:HG23	14	0.15
(3,87)	1:38:A:GLN:HG3	1:35:A:VAL:HG21	20	0.15
(3,87)	1:38:A:GLN:HG3	1:35:A:VAL:HG22	20	0.15
(3,87)	1:38:A:GLN:HG3	1:35:A:VAL:HG23	20	0.15
(3,87)	1:38:A:GLN:HG2	1:35:A:VAL:HG21	20	0.15
(3,87)	1:38:A:GLN:HG2	1:35:A:VAL:HG22	20	0.15
(3,87)	1:38:A:GLN:HG2	1:35:A:VAL:HG23	20	0.15
(3,61)	1:39:A:ARG:H	1:38:A:GLN:HG2	18	0.15
(3,61)	1:39:A:ARG:H	1:38:A:GLN:HG3	18	0.15
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG3	14	0.15
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG2	14	0.15
(3,27)	1:26:A:ARG:HB2	1:57:A:TYR:HE1	6	0.15
(3,27)	1:26:A:ARG:HB2	1:57:A:TYR:HE2	6	0.15
(3,27)	1:26:A:ARG:HB3	1:57:A:TYR:HE1	6	0.15
(3,27)	1:26:A:ARG:HB3	1:57:A:TYR:HE2	6	0.15
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD1	20	0.15
(3,20)	1:40:A:PHE:HE1	1:48:A:TYR:HD2	20	0.15
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD1	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,20)	1:40:A:PHE:HE2	1:48:A:TYR:HD2	20	0.15
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE1	7	0.15
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE2	7	0.15
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE1	7	0.15
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE2	7	0.15
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE1	7	0.15
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE2	7	0.15
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE1	16	0.15
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE2	16	0.15
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE1	16	0.15
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE2	16	0.15
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE1	16	0.15
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE2	16	0.15
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE1	10	0.15
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE2	10	0.15
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE3	10	0.15
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	1	0.15
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	1	0.15
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	1	0.15
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	4	0.15
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	4	0.15
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	4	0.15
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	15	0.15
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	15	0.15
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	15	0.15
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	11	0.15
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	11	0.15
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	11	0.15
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	13	0.15
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	13	0.15
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	13	0.15
(2,3600)	1:110:A:ILE:HG21	1:110:A:ILE:HG12	16	0.15
(2,3600)	1:110:A:ILE:HG22	1:110:A:ILE:HG12	16	0.15
(2,3600)	1:110:A:ILE:HG23	1:110:A:ILE:HG12	16	0.15
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB1	8	0.15
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB2	8	0.15
(2,3557)	1:62:A:ALA:HA	1:62:A:ALA:HB3	8	0.15
(2,3553)	1:19:A:ALA:HB1	1:19:A:ALA:H	1	0.15
(2,3553)	1:19:A:ALA:HB2	1:19:A:ALA:H	1	0.15
(2,3553)	1:19:A:ALA:HB3	1:19:A:ALA:H	1	0.15
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	2	0.15
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	2	0.15
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG21	17	0.15
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG22	17	0.15
(2,3511)	1:105:A:THR:HA	1:105:A:THR:HG23	17	0.15
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	1	0.15
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	1	0.15
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	1	0.15
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	1	0.15
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	1	0.15
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	1	0.15
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	12	0.15
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	12	0.15
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	12	0.15
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	12	0.15
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	12	0.15
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	12	0.15
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE1	6	0.15
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE2	6	0.15
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE3	6	0.15
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE1	6	0.15
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE2	6	0.15
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE3	6	0.15
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE1	6	0.15
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE2	6	0.15
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE3	6	0.15
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE1	5	0.15
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE2	5	0.15
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE3	5	0.15
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG11	6	0.15
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG12	6	0.15
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG13	6	0.15
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG21	6	0.15
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG22	6	0.15
(2,3467)	1:74:A:THR:HA	1:73:A:VAL:HG23	6	0.15
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG21	10	0.15
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG22	10	0.15
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG23	10	0.15
(2,3450)	1:127:A:ALA:HB1	1:137:A:ILE:HD11	12	0.15
(2,3450)	1:127:A:ALA:HB1	1:137:A:ILE:HD12	12	0.15
(2,3450)	1:127:A:ALA:HB1	1:137:A:ILE:HD13	12	0.15
(2,3450)	1:127:A:ALA:HB2	1:137:A:ILE:HD11	12	0.15
(2,3450)	1:127:A:ALA:HB2	1:137:A:ILE:HD12	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3450)	1:127:A:ALA:HB2	1:137:A:ILE:HD13	12	0.15
(2,3450)	1:127:A:ALA:HB3	1:137:A:ILE:HD11	12	0.15
(2,3450)	1:127:A:ALA:HB3	1:137:A:ILE:HD12	12	0.15
(2,3450)	1:127:A:ALA:HB3	1:137:A:ILE:HD13	12	0.15
(2,3428)	1:120:A:PHE:HD1	1:81:A:THR:HG21	8	0.15
(2,3428)	1:120:A:PHE:HD1	1:81:A:THR:HG22	8	0.15
(2,3428)	1:120:A:PHE:HD1	1:81:A:THR:HG23	8	0.15
(2,3428)	1:120:A:PHE:HD2	1:81:A:THR:HG21	8	0.15
(2,3428)	1:120:A:PHE:HD2	1:81:A:THR:HG22	8	0.15
(2,3428)	1:120:A:PHE:HD2	1:81:A:THR:HG23	8	0.15
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE1	11	0.15
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE2	11	0.15
(2,3392)	1:35:A:VAL:HG21	1:34:A:MET:HE3	11	0.15
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE1	11	0.15
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE2	11	0.15
(2,3392)	1:35:A:VAL:HG22	1:34:A:MET:HE3	11	0.15
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE1	11	0.15
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE2	11	0.15
(2,3392)	1:35:A:VAL:HG23	1:34:A:MET:HE3	11	0.15
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG11	11	0.15
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG12	11	0.15
(2,3324)	1:109:A:THR:HG21	1:125:A:VAL:HG13	11	0.15
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG11	11	0.15
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG12	11	0.15
(2,3324)	1:109:A:THR:HG22	1:125:A:VAL:HG13	11	0.15
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG11	11	0.15
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG12	11	0.15
(2,3324)	1:109:A:THR:HG23	1:125:A:VAL:HG13	11	0.15
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	9	0.15
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	9	0.15
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	9	0.15
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	4	0.15
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	4	0.15
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	4	0.15
(2,3230)	1:86:A:LEU:HD11	1:95:A:LEU:H	6	0.15
(2,3230)	1:86:A:LEU:HD12	1:95:A:LEU:H	6	0.15
(2,3230)	1:86:A:LEU:HD13	1:95:A:LEU:H	6	0.15
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	5	0.15
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	5	0.15
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	5	0.15
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	15	0.15
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	15	0.15
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	19	0.15
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	19	0.15
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	19	0.15
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG3	6	0.15
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG2	6	0.15
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD11	13	0.15
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD12	13	0.15
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD13	13	0.15
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	19	0.15
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	19	0.15
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	19	0.15
(2,3177)	1:96:A:LEU:HD21	1:96:A:LEU:HB3	1	0.15
(2,3177)	1:96:A:LEU:HD22	1:96:A:LEU:HB3	1	0.15
(2,3177)	1:96:A:LEU:HD23	1:96:A:LEU:HB3	1	0.15
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	11	0.15
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	11	0.15
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	11	0.15
(2,3151)	1:39:A:ARG:HG2	1:29:A:TYR:HE1	18	0.15
(2,3151)	1:39:A:ARG:HG2	1:29:A:TYR:HE2	18	0.15
(2,3131)	1:86:A:LEU:HA	1:86:A:LEU:HG	6	0.15
(2,3122)	1:94:A:ARG:HG2	1:94:A:ARG:HA	4	0.15
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	18	0.15
(2,3082)	1:162:A:ARG:HG2	1:162:A:ARG:H	5	0.15
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	15	0.15
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	5	0.15
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	6	0.15
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	7	0.15
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	10	0.15
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	14	0.15
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	15	0.15
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	17	0.15
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	2	0.15
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	3	0.15
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	5	0.15
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	10	0.15
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	11	0.15
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	17	0.15
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	19	0.15
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	20	0.15
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	17	0.15
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	18	0.15
(2,2941)	1:73:A:VAL:H	1:72:A:ARG:HB2	8	0.15
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	6	0.15
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	10	0.15
(2,2899)	1:111:A:ALA:H	1:122:A:PRO:HB2	18	0.15
(2,2852)	1:80:A:ARG:HB3	1:81:A:THR:H	2	0.15
(2,2807)	1:149:A:VAL:HG21	1:148:A:VAL:HB	10	0.15
(2,2807)	1:149:A:VAL:HG22	1:148:A:VAL:HB	10	0.15
(2,2807)	1:149:A:VAL:HG23	1:148:A:VAL:HB	10	0.15
(2,2797)	1:80:A:ARG:H	1:80:A:ARG:HB3	3	0.15
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	11	0.15
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	2	0.15
(2,2761)	1:147:A:VAL:H	1:146:A:GLN:HG2	15	0.15
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	6	0.15
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	13	0.15
(2,2681)	1:147:A:VAL:HB	1:101:A:ALA:HB1	16	0.15
(2,2681)	1:147:A:VAL:HB	1:101:A:ALA:HB2	16	0.15
(2,2681)	1:147:A:VAL:HB	1:101:A:ALA:HB3	16	0.15
(2,2606)	1:140:A:GLY:HA3	1:125:A:VAL:HB	15	0.15
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG21	18	0.15
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG22	18	0.15
(2,2569)	1:85:A:LYS:HB3	1:84:A:VAL:HG23	18	0.15
(2,2545)	1:144:A:GLY:H	1:83:A:GLU:HG3	18	0.15
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	20	0.15
(2,2539)	1:100:A:GLU:HB2	1:100:A:GLU:HG2	9	0.15
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	11	0.15
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	20	0.15
(2,2420)	1:179:A:PHE:H	1:179:A:PHE:HB3	6	0.15
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	8	0.15
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	8	0.15
(2,2356)	1:35:A:VAL:HG21	1:32:A:ASP:HB3	3	0.15
(2,2356)	1:35:A:VAL:HG22	1:32:A:ASP:HB3	3	0.15
(2,2356)	1:35:A:VAL:HG23	1:32:A:ASP:HB3	3	0.15
(2,2344)	1:53:A:LEU:HD21	1:40:A:PHE:HB2	2	0.15
(2,2344)	1:53:A:LEU:HD22	1:40:A:PHE:HB2	2	0.15
(2,2344)	1:53:A:LEU:HD23	1:40:A:PHE:HB2	2	0.15
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG21	20	0.15
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG22	20	0.15
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG23	20	0.15
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	15	0.15
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	15	0.15
(2,2308)	1:21:A:LEU:H	1:21:A:LEU:HB2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	1	0.15
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	1	0.15
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	1	0.15
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	1	0.15
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	12	0.15
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	12	0.15
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	12	0.15
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	12	0.15
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	16	0.15
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	16	0.15
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	20	0.15
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	20	0.15
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	5	0.15
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	5	0.15
(2,2226)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	12	0.15
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	3	0.15
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	3	0.15
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	3	0.15
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	19	0.15
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	19	0.15
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	19	0.15
(2,2146)	1:19:A:ALA:HB1	1:18:A:GLY:HA2	11	0.15
(2,2146)	1:19:A:ALA:HB2	1:18:A:GLY:HA2	11	0.15
(2,2146)	1:19:A:ALA:HB3	1:18:A:GLY:HA2	11	0.15
(2,2128)	1:125:A:VAL:HG21	1:140:A:GLY:HA2	1	0.15
(2,2128)	1:125:A:VAL:HG22	1:140:A:GLY:HA2	1	0.15
(2,2128)	1:125:A:VAL:HG23	1:140:A:GLY:HA2	1	0.15
(2,2101)	1:162:A:ARG:HD2	1:163:A:GLY:HA3	18	0.15
(2,2101)	1:162:A:ARG:HD2	1:163:A:GLY:HA2	18	0.15
(2,2101)	1:162:A:ARG:HD3	1:163:A:GLY:HA3	18	0.15
(2,2101)	1:162:A:ARG:HD3	1:163:A:GLY:HA2	18	0.15
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	3	0.15
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	4	0.15
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	10	0.15
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	15	0.15
(2,2067)	1:137:A:ILE:HG21	1:141:A:LEU:HB2	7	0.15
(2,2067)	1:137:A:ILE:HG22	1:141:A:LEU:HB2	7	0.15
(2,2067)	1:137:A:ILE:HG23	1:141:A:LEU:HB2	7	0.15
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD2	14	0.15
(2,2042)	1:29:A:TYR:HB3	1:43:A:PRO:HD3	14	0.15
(2,1897)	1:143:A:ALA:HA	1:85:A:LYS:HG2	10	0.15
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	9	0.15
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	9	0.15
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	20	0.15
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	20	0.15
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	20	0.15
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	15	0.15
(2,1815)	1:40:A:PHE:HE1	1:31:A:ARG:HA	14	0.15
(2,1815)	1:40:A:PHE:HE2	1:31:A:ARG:HA	14	0.15
(2,1791)	1:108:A:ARG:HA	1:109:A:THR:H	9	0.15
(2,1786)	1:25:A:LYS:HA	1:26:A:ARG:H	13	0.15
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	17	0.15
(2,1763)	1:75:A:GLN:HA	1:75:A:GLN:HG3	12	0.15
(2,1763)	1:75:A:GLN:HA	1:75:A:GLN:HG2	12	0.15
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	7	0.15
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	17	0.15
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	18	0.15
(2,1709)	1:121:A:ASP:HB2	1:120:A:PHE:HA	13	0.15
(2,1594)	1:173:A:SER:HA	1:174:A:GLY:H	13	0.15
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	16	0.15
(2,1584)	1:104:A:ARG:HD3	1:105:A:THR:HA	9	0.15
(2,1584)	1:104:A:ARG:HD2	1:105:A:THR:HA	9	0.15
(2,1584)	1:104:A:ARG:HD3	1:105:A:THR:HA	18	0.15
(2,1584)	1:104:A:ARG:HD2	1:105:A:THR:HA	18	0.15
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	9	0.15
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	9	0.15
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	13	0.15
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	13	0.15
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	2	0.15
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	5	0.15
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	2	0.15
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	2	0.15
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	2	0.15
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	6	0.15
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	6	0.15
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	6	0.15
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	12	0.15
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	12	0.15
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	12	0.15
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	18	0.15
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	18	0.15
(2,1477)	1:74:A:THR:HA	1:75:A:GLN:H	1	0.15
(2,1475)	1:74:A:THR:HA	1:74:A:THR:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	8	0.15
(2,1456)	1:55:A:PRO:HA	1:54:A:ILE:HB	19	0.15
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	4	0.15
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	11	0.15
(2,1429)	1:73:A:VAL:HA	1:73:A:VAL:H	15	0.15
(2,1332)	1:74:A:THR:H	1:74:A:THR:HB	14	0.15
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	8	0.15
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	18	0.15
(2,1317)	1:93:A:GLU:H	1:92:A:THR:HB	15	0.15
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	17	0.15
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	20	0.15
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	20	0.15
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	20	0.15
(2,1263)	1:118:A:GLY:H	1:115:A:LYS:HB2	8	0.15
(2,1247)	1:78:A:GLY:H	1:79:A:VAL:HB	3	0.15
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	7	0.15
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	7	0.15
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	5	0.15
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	10	0.15
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	11	0.15
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	18	0.15
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	19	0.15
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	12	0.15
(2,1076)	1:123:A:VAL:HG21	1:141:A:LEU:H	2	0.15
(2,1076)	1:123:A:VAL:HG22	1:141:A:LEU:H	2	0.15
(2,1076)	1:123:A:VAL:HG23	1:141:A:LEU:H	2	0.15
(2,1076)	1:123:A:VAL:HG11	1:141:A:LEU:H	2	0.15
(2,1076)	1:123:A:VAL:HG12	1:141:A:LEU:H	2	0.15
(2,1076)	1:123:A:VAL:HG13	1:141:A:LEU:H	2	0.15
(2,1076)	1:123:A:VAL:HG21	1:141:A:LEU:H	10	0.15
(2,1076)	1:123:A:VAL:HG22	1:141:A:LEU:H	10	0.15
(2,1076)	1:123:A:VAL:HG23	1:141:A:LEU:H	10	0.15
(2,1076)	1:123:A:VAL:HG11	1:141:A:LEU:H	10	0.15
(2,1076)	1:123:A:VAL:HG12	1:141:A:LEU:H	10	0.15
(2,1076)	1:123:A:VAL:HG13	1:141:A:LEU:H	10	0.15
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	1	0.15
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	7	0.15
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	14	0.15
(2,981)	1:90:A:GLY:H	1:92:A:THR:H	4	0.15
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	1	0.15
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	1	0.15
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	5	0.15
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	5	0.15
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	5	0.15
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	7	0.15
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	7	0.15
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	7	0.15
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	8	0.15
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	8	0.15
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	8	0.15
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	10	0.15
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	15	0.15
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	18	0.15
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	18	0.15
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	18	0.15
(2,848)	1:149:A:VAL:H	1:150:A:SER:H	18	0.15
(2,789)	1:96:A:LEU:HD21	1:88:A:ARG:H	5	0.15
(2,789)	1:96:A:LEU:HD22	1:88:A:ARG:H	5	0.15
(2,789)	1:96:A:LEU:HD23	1:88:A:ARG:H	5	0.15
(2,783)	1:88:A:ARG:H	1:93:A:GLU:HG2	5	0.15
(2,773)	1:51:A:MET:HB2	1:50:A:ASP:H	2	0.15
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	5	0.15
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	8	0.15
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	20	0.15
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	9	0.15
(2,736)	1:79:A:VAL:H	1:78:A:GLY:H	14	0.15
(2,715)	1:102:A:LEU:HB3	1:101:A:ALA:H	1	0.15
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	9	0.15
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	9	0.15
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	9	0.15
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	15	0.15
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	15	0.15
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	15	0.15
(2,655)	1:149:A:VAL:HG21	1:100:A:GLU:H	18	0.15
(2,655)	1:149:A:VAL:HG22	1:100:A:GLU:H	18	0.15
(2,655)	1:149:A:VAL:HG23	1:100:A:GLU:H	18	0.15
(2,637)	1:70:A:ASP:HA	1:72:A:ARG:H	18	0.15
(2,620)	1:51:A:MET:H	1:45:A:LYS:HD2	12	0.15
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	11	0.15
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	11	0.15
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	11	0.15
(2,596)	1:42:A:LYS:HB2	1:41:A:ASP:H	3	0.15
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,528)	1:175:A:LEU:H	1:174:A:GLY:HA2	9	0.15
(2,528)	1:175:A:LEU:H	1:174:A:GLY:HA2	19	0.15
(2,512)	1:95:A:LEU:H	1:87:A:GLY:H	8	0.15
(2,511)	1:168:A:MET:H	1:168:A:MET:HE1	13	0.15
(2,511)	1:168:A:MET:H	1:168:A:MET:HE2	13	0.15
(2,511)	1:168:A:MET:H	1:168:A:MET:HE3	13	0.15
(2,508)	1:168:A:MET:H	1:167:A:ARG:HA	13	0.15
(2,503)	1:96:A:LEU:HD11	1:99:A:SER:H	3	0.15
(2,503)	1:96:A:LEU:HD12	1:99:A:SER:H	3	0.15
(2,503)	1:96:A:LEU:HD13	1:99:A:SER:H	3	0.15
(2,492)	1:99:A:SER:H	1:100:A:GLU:HA	9	0.15
(2,419)	1:22:A:LYS:H	1:21:A:LEU:HA	1	0.15
(2,379)	1:77:A:LEU:H	1:78:A:GLY:HA2	11	0.15
(2,372)	1:75:A:GLN:H	1:74:A:THR:H	2	0.15
(2,371)	1:75:A:GLN:H	1:76:A:ASN:H	1	0.15
(2,362)	1:86:A:LEU:H	1:143:A:ALA:HA	12	0.15
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	7	0.15
(2,274)	1:65:A:ALA:H	1:64:A:GLY:H	3	0.15
(2,274)	1:65:A:ALA:H	1:64:A:GLY:H	13	0.15
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	4	0.15
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	7	0.15
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	8	0.15
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	15	0.15
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	6	0.15
(2,238)	1:87:A:GLY:HA3	1:94:A:ARG:H	12	0.15
(2,232)	1:70:A:ASP:H	1:69:A:ILE:HB	10	0.15
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	15	0.15
(2,201)	1:62:A:ALA:H	1:61:A:ASN:H	17	0.15
(2,185)	1:68:A:ARG:H	1:67:A:VAL:HB	5	0.15
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	13	0.15
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	13	0.15
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	13	0.15
(2,105)	1:89:A:LEU:H	1:87:A:GLY:HA2	19	0.15
(2,48)	1:97:A:VAL:HG21	1:85:A:LYS:H	1	0.15
(2,48)	1:97:A:VAL:HG22	1:85:A:LYS:H	1	0.15
(2,48)	1:97:A:VAL:HG23	1:85:A:LYS:H	1	0.15
(1,657)	1:26:A:ARG:HB3	1:25:A:LYS:H	8	0.15
(1,657)	1:26:A:ARG:HB2	1:25:A:LYS:H	8	0.15
(1,657)	1:26:A:ARG:HB3	1:25:A:LYS:H	18	0.15
(1,657)	1:26:A:ARG:HB2	1:25:A:LYS:H	18	0.15
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	4	0.15
(1,626)	1:43:A:PRO:HB2	1:30:A:TRP:HE1	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:49:A:MET:H	1:49:A:MET:HG3	2	0.15
(1,599)	1:46:A:SER:HB2	1:49:A:MET:H	9	0.15
(1,598)	1:46:A:SER:HA	1:49:A:MET:H	11	0.15
(1,596)	1:49:A:MET:H	1:48:A:TYR:HD1	2	0.15
(1,596)	1:49:A:MET:H	1:48:A:TYR:HD2	2	0.15
(1,464)	1:43:A:PRO:HA	1:30:A:TRP:HZ2	9	0.15
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG21	18	0.15
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG22	18	0.15
(1,451)	1:56:A:VAL:HB	1:27:A:ILE:HG23	18	0.15
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	3	0.15
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	3	0.15
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	4	0.15
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	4	0.15
(1,408)	1:49:A:MET:HE1	1:48:A:TYR:HA	15	0.15
(1,408)	1:49:A:MET:HE2	1:48:A:TYR:HA	15	0.15
(1,408)	1:49:A:MET:HE3	1:48:A:TYR:HA	15	0.15
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	2	0.15
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	2	0.15
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	2	0.15
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	10	0.15
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	10	0.15
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	10	0.15
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	10	0.15
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	10	0.15
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	10	0.15
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	10	0.15
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	10	0.15
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	10	0.15
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	12	0.15
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	14	0.15
(1,349)	1:29:A:TYR:HB2	1:39:A:ARG:HG3	7	0.15
(1,349)	1:29:A:TYR:HB2	1:39:A:ARG:HG2	7	0.15
(1,340)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	6	0.15
(1,340)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	14	0.15
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	11	0.15
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	11	0.15
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	3	0.15
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	3	0.15
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	3	0.15
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	11	0.15
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	11	0.15
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:60:A:GLU:H	1:59:A:GLU:HA	16	0.15
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	17	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	3	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	3	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	6	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	6	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	13	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	13	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	15	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	15	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	16	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	16	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	19	0.15
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	19	0.15
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	20	0.15
(1,52)	1:39:A:ARG:HA	1:40:A:PHE:HD1	12	0.15
(1,52)	1:39:A:ARG:HA	1:40:A:PHE:HD2	12	0.15
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	5	0.15
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	5	0.15
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD1	14	0.15
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD2	14	0.15
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD1	14	0.15
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD2	14	0.15
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD1	14	0.15
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD2	14	0.15
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	2	0.15
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	2	0.15
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	18	0.15
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	18	0.15
(1,23)	1:27:A:ILE:HG12	1:57:A:TYR:HE1	4	0.15
(1,23)	1:27:A:ILE:HG12	1:57:A:TYR:HE2	4	0.15
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	19	0.14
(3,149)	1:47:A:PRO:HB2	1:49:A:MET:H	1	0.14
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	16	0.14
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG21	11	0.14
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG22	11	0.14
(3,100)	1:62:A:ALA:HB1	1:27:A:ILE:HG23	11	0.14
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG21	11	0.14
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG22	11	0.14
(3,100)	1:62:A:ALA:HB2	1:27:A:ILE:HG23	11	0.14
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG21	11	0.14
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG22	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,100)	1:62:A:ALA:HB3	1:27:A:ILE:HG23	11	0.14
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG21	11	0.14
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG22	11	0.14
(3,92)	1:62:A:ALA:HB1	1:27:A:ILE:HG23	11	0.14
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG21	11	0.14
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG22	11	0.14
(3,92)	1:62:A:ALA:HB2	1:27:A:ILE:HG23	11	0.14
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG21	11	0.14
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG22	11	0.14
(3,92)	1:62:A:ALA:HB3	1:27:A:ILE:HG23	11	0.14
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG3	11	0.14
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG2	11	0.14
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	1	0.14
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	1	0.14
(3,18)	1:39:A:ARG:HD2	1:29:A:TYR:HE1	9	0.14
(3,18)	1:39:A:ARG:HD2	1:29:A:TYR:HE2	9	0.14
(2,3673)	1:137:A:ILE:HD11	1:125:A:VAL:HB	16	0.14
(2,3673)	1:137:A:ILE:HD12	1:125:A:VAL:HB	16	0.14
(2,3673)	1:137:A:ILE:HD13	1:125:A:VAL:HB	16	0.14
(2,3648)	1:27:A:ILE:HD11	1:60:A:GLU:H	20	0.14
(2,3648)	1:27:A:ILE:HD12	1:60:A:GLU:H	20	0.14
(2,3648)	1:27:A:ILE:HD13	1:60:A:GLU:H	20	0.14
(2,3637)	1:137:A:ILE:HG21	1:125:A:VAL:HB	12	0.14
(2,3637)	1:137:A:ILE:HG22	1:125:A:VAL:HB	12	0.14
(2,3637)	1:137:A:ILE:HG23	1:125:A:VAL:HB	12	0.14
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	16	0.14
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	16	0.14
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	16	0.14
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	12	0.14
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	12	0.14
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	12	0.14
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG21	2	0.14
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG22	2	0.14
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG23	2	0.14
(2,3570)	1:159:A:ALA:HB1	1:160:A:SER:H	9	0.14
(2,3570)	1:159:A:ALA:HB2	1:160:A:SER:H	9	0.14
(2,3570)	1:159:A:ALA:HB3	1:160:A:SER:H	9	0.14
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE1	12	0.14
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE2	12	0.14
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE3	12	0.14
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE1	12	0.14
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE2	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE3	12	0.14
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE1	12	0.14
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE2	12	0.14
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE3	12	0.14
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	17	0.14
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	17	0.14
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	17	0.14
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG21	4	0.14
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG22	4	0.14
(2,3460)	1:146:A:GLN:HB2	1:81:A:THR:HG23	4	0.14
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	3	0.14
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	3	0.14
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	3	0.14
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	18	0.14
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	18	0.14
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	18	0.14
(2,3305)	1:84:A:VAL:HG21	1:95:A:LEU:HG	18	0.14
(2,3305)	1:84:A:VAL:HG22	1:95:A:LEU:HG	18	0.14
(2,3305)	1:84:A:VAL:HG23	1:95:A:LEU:HG	18	0.14
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	14	0.14
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	14	0.14
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	14	0.14
(2,3264)	1:96:A:LEU:HD11	1:137:A:ILE:HG13	12	0.14
(2,3264)	1:96:A:LEU:HD12	1:137:A:ILE:HG13	12	0.14
(2,3264)	1:96:A:LEU:HD13	1:137:A:ILE:HG13	12	0.14
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	11	0.14
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	11	0.14
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	11	0.14
(2,3254)	1:86:A:LEU:HD21	1:86:A:LEU:HB3	16	0.14
(2,3254)	1:86:A:LEU:HD22	1:86:A:LEU:HB3	16	0.14
(2,3254)	1:86:A:LEU:HD23	1:86:A:LEU:HB3	16	0.14
(2,3253)	1:86:A:LEU:HD21	1:93:A:GLU:HB3	5	0.14
(2,3253)	1:86:A:LEU:HD22	1:93:A:GLU:HB3	5	0.14
(2,3253)	1:86:A:LEU:HD23	1:93:A:GLU:HB3	5	0.14
(2,3253)	1:86:A:LEU:HD21	1:93:A:GLU:HB2	5	0.14
(2,3253)	1:86:A:LEU:HD22	1:93:A:GLU:HB2	5	0.14
(2,3253)	1:86:A:LEU:HD23	1:93:A:GLU:HB2	5	0.14
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	5	0.14
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	12	0.14
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	13	0.14
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	1	0.14
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	1	0.14
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	20	0.14
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	20	0.14
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	20	0.14
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG3	19	0.14
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG2	19	0.14
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	9	0.14
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	15	0.14
(2,3161)	1:84:A:VAL:HG21	1:95:A:LEU:HG	18	0.14
(2,3161)	1:84:A:VAL:HG22	1:95:A:LEU:HG	18	0.14
(2,3161)	1:84:A:VAL:HG23	1:95:A:LEU:HG	18	0.14
(2,3121)	1:162:A:ARG:HG3	1:163:A:GLY:H	20	0.14
(2,3120)	1:72:A:ARG:HG3	1:73:A:VAL:H	7	0.14
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	2	0.14
(2,3083)	1:162:A:ARG:HG2	1:162:A:ARG:HA	6	0.14
(2,2984)	1:75:A:GLN:HA	1:75:A:GLN:HB2	4	0.14
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	11	0.14
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	16	0.14
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	7	0.14
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	12	0.14
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	14	0.14
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	15	0.14
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	18	0.14
(2,2952)	1:68:A:ARG:HB3	1:66:A:ALA:H	10	0.14
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	3	0.14
(2,2933)	1:68:A:ARG:H	1:68:A:ARG:HB3	10	0.14
(2,2852)	1:80:A:ARG:HB3	1:81:A:THR:H	9	0.14
(2,2852)	1:80:A:ARG:HB3	1:81:A:THR:H	17	0.14
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	1	0.14
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	10	0.14
(2,2786)	1:52:A:PRO:HD2	1:51:A:MET:HG3	17	0.14
(2,2780)	1:51:A:MET:H	1:49:A:MET:HG2	8	0.14
(2,2780)	1:51:A:MET:H	1:49:A:MET:HG2	16	0.14
(2,2778)	1:55:A:PRO:HB3	1:27:A:ILE:HG12	5	0.14
(2,2778)	1:55:A:PRO:HB2	1:27:A:ILE:HG12	5	0.14
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	9	0.14
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	12	0.14
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	14	0.14
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	16	0.14
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	16	0.14
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	16	0.14
(2,2753)	1:32:A:ASP:HB2	1:49:A:MET:HG2	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2724)	1:51:A:MET:HB3	1:49:A:MET:HB2	7	0.14
(2,2708)	1:126:A:LYS:HB3	1:139:A:GLU:HB2	2	0.14
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	17	0.14
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	15	0.14
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	15	0.14
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	15	0.14
(2,2650)	1:126:A:LYS:HB2	1:125:A:VAL:HB	17	0.14
(2,2572)	1:58:A:GLU:HG2	1:59:A:GLU:H	4	0.14
(2,2572)	1:58:A:GLU:HG2	1:59:A:GLU:H	6	0.14
(2,2557)	1:86:A:LEU:H	1:85:A:LYS:HB2	19	0.14
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD11	10	0.14
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD12	10	0.14
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD13	10	0.14
(2,2505)	1:93:A:GLU:HG3	1:86:A:LEU:HB3	14	0.14
(2,2470)	1:69:A:ILE:HB	1:72:A:ARG:HG2	4	0.14
(2,2466)	1:51:A:MET:H	1:50:A:ASP:HB2	12	0.14
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	5	0.14
(2,2409)	1:57:A:TYR:HB2	1:25:A:LYS:HD3	5	0.14
(2,2409)	1:57:A:TYR:HB2	1:25:A:LYS:HD2	5	0.14
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	8	0.14
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	8	0.14
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	8	0.14
(2,2384)	1:64:A:GLY:HA3	1:63:A:ASP:HB3	3	0.14
(2,2384)	1:64:A:GLY:HA2	1:63:A:ASP:HB3	3	0.14
(2,2344)	1:53:A:LEU:HD21	1:40:A:PHE:HB2	18	0.14
(2,2344)	1:53:A:LEU:HD22	1:40:A:PHE:HB2	18	0.14
(2,2344)	1:53:A:LEU:HD23	1:40:A:PHE:HB2	18	0.14
(2,2316)	1:83:A:GLU:H	1:85:A:LYS:HE3	16	0.14
(2,2316)	1:83:A:GLU:H	1:85:A:LYS:HE2	16	0.14
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD11	20	0.14
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD12	20	0.14
(2,2273)	1:28:A:LEU:HB3	1:27:A:ILE:HD13	20	0.14
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	2	0.14
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	2	0.14
(2,2221)	1:126:A:LYS:HD3	1:94:A:ARG:HD2	1	0.14
(2,2210)	1:121:A:ASP:HB2	1:122:A:PRO:HD3	4	0.14
(2,2210)	1:121:A:ASP:HB2	1:122:A:PRO:HD3	9	0.14
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	7	0.14
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	7	0.14
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	7	0.14
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	20	0.14
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	20	0.14
(2,2148)	1:19:A:ALA:HB1	1:18:A:GLY:HA3	9	0.14
(2,2148)	1:19:A:ALA:HB2	1:18:A:GLY:HA3	9	0.14
(2,2148)	1:19:A:ALA:HB3	1:18:A:GLY:HA3	9	0.14
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	20	0.14
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	20	0.14
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	20	0.14
(2,2103)	1:166:A:ALA:HB1	1:163:A:GLY:HA2	1	0.14
(2,2103)	1:166:A:ALA:HB2	1:163:A:GLY:HA2	1	0.14
(2,2103)	1:166:A:ALA:HB3	1:163:A:GLY:HA2	1	0.14
(2,2103)	1:166:A:ALA:HB1	1:163:A:GLY:HA3	1	0.14
(2,2103)	1:166:A:ALA:HB2	1:163:A:GLY:HA3	1	0.14
(2,2103)	1:166:A:ALA:HB3	1:163:A:GLY:HA3	1	0.14
(2,2103)	1:166:A:ALA:HB1	1:163:A:GLY:HA2	17	0.14
(2,2103)	1:166:A:ALA:HB2	1:163:A:GLY:HA2	17	0.14
(2,2103)	1:166:A:ALA:HB3	1:163:A:GLY:HA2	17	0.14
(2,2103)	1:166:A:ALA:HB1	1:163:A:GLY:HA3	17	0.14
(2,2103)	1:166:A:ALA:HB2	1:163:A:GLY:HA3	17	0.14
(2,2103)	1:166:A:ALA:HB3	1:163:A:GLY:HA3	17	0.14
(2,2094)	1:125:A:VAL:HG21	1:140:A:GLY:HA3	6	0.14
(2,2094)	1:125:A:VAL:HG22	1:140:A:GLY:HA3	6	0.14
(2,2094)	1:125:A:VAL:HG23	1:140:A:GLY:HA3	6	0.14
(2,2092)	1:125:A:VAL:HA	1:140:A:GLY:HA3	18	0.14
(2,2072)	1:137:A:ILE:HG21	1:141:A:LEU:HB3	10	0.14
(2,2072)	1:137:A:ILE:HG22	1:141:A:LEU:HB3	10	0.14
(2,2072)	1:137:A:ILE:HG23	1:141:A:LEU:HB3	10	0.14
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	5	0.14
(2,2028)	1:149:A:VAL:HG21	1:98:A:PRO:HD2	9	0.14
(2,2028)	1:149:A:VAL:HG22	1:98:A:PRO:HD2	9	0.14
(2,2028)	1:149:A:VAL:HG23	1:98:A:PRO:HD2	9	0.14
(2,1964)	1:34:A:MET:HE1	1:33:A:PRO:HD3	4	0.14
(2,1964)	1:34:A:MET:HE2	1:33:A:PRO:HD3	4	0.14
(2,1964)	1:34:A:MET:HE3	1:33:A:PRO:HD3	4	0.14
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	9	0.14
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	9	0.14
(2,1943)	1:27:A:ILE:HB	1:62:A:ALA:HA	7	0.14
(2,1943)	1:27:A:ILE:HB	1:62:A:ALA:HA	20	0.14
(2,1860)	1:159:A:ALA:HA	1:162:A:ARG:HB3	9	0.14
(2,1860)	1:159:A:ALA:HA	1:162:A:ARG:HB2	9	0.14
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	3	0.14
(2,1791)	1:108:A:ARG:HA	1:109:A:THR:H	10	0.14
(2,1786)	1:25:A:LYS:HA	1:26:A:ARG:H	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	19	0.14
(2,1772)	1:27:A:ILE:HD11	1:59:A:GLU:HA	20	0.14
(2,1772)	1:27:A:ILE:HD12	1:59:A:GLU:HA	20	0.14
(2,1772)	1:27:A:ILE:HD13	1:59:A:GLU:HA	20	0.14
(2,1763)	1:75:A:GLN:HA	1:75:A:GLN:HG3	9	0.14
(2,1763)	1:75:A:GLN:HA	1:75:A:GLN:HG2	9	0.14
(2,1731)	1:118:A:GLY:H	1:117:A:GLU:HA	3	0.14
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	8	0.14
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	9	0.14
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	18	0.14
(2,1593)	1:173:A:SER:H	1:173:A:SER:HA	8	0.14
(2,1584)	1:104:A:ARG:HD3	1:105:A:THR:HA	19	0.14
(2,1584)	1:104:A:ARG:HD2	1:105:A:THR:HA	19	0.14
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	1	0.14
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	1	0.14
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	11	0.14
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	11	0.14
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	14	0.14
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	14	0.14
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	7	0.14
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	11	0.14
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB1	9	0.14
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB2	9	0.14
(2,1439)	1:67:A:VAL:HA	1:66:A:ALA:HB3	9	0.14
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	5	0.14
(2,1431)	1:73:A:VAL:HA	1:73:A:VAL:HB	1	0.14
(2,1428)	1:73:A:VAL:HA	1:74:A:THR:HG21	16	0.14
(2,1428)	1:73:A:VAL:HA	1:74:A:THR:HG22	16	0.14
(2,1428)	1:73:A:VAL:HA	1:74:A:THR:HG23	16	0.14
(2,1415)	1:130:A:THR:HG21	1:99:A:SER:HB2	1	0.14
(2,1415)	1:130:A:THR:HG22	1:99:A:SER:HB2	1	0.14
(2,1415)	1:130:A:THR:HG23	1:99:A:SER:HB2	1	0.14
(2,1390)	1:148:A:VAL:HA	1:81:A:THR:HB	19	0.14
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	16	0.14
(2,1330)	1:172:A:THR:H	1:171:A:THR:HB	2	0.14
(2,1327)	1:173:A:SER:H	1:172:A:THR:HB	19	0.14
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	5	0.14
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	11	0.14
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	11	0.14
(2,1266)	1:35:A:VAL:HG11	1:37:A:GLY:H	10	0.14
(2,1266)	1:35:A:VAL:HG12	1:37:A:GLY:H	10	0.14
(2,1266)	1:35:A:VAL:HG13	1:37:A:GLY:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	10	0.14
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	10	0.14
(2,1215)	1:140:A:GLY:H	1:141:A:LEU:HA	11	0.14
(2,1215)	1:140:A:GLY:H	1:141:A:LEU:HA	16	0.14
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	2	0.14
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	8	0.14
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	16	0.14
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	20	0.14
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	16	0.14
(2,1131)	1:89:A:LEU:H	1:90:A:GLY:H	18	0.14
(2,1044)	1:162:A:ARG:HD3	1:164:A:THR:H	11	0.14
(2,1044)	1:162:A:ARG:HD2	1:164:A:THR:H	11	0.14
(2,1038)	1:21:A:LEU:HB3	1:23:A:THR:H	1	0.14
(2,1037)	1:26:A:ARG:HG3	1:23:A:THR:H	15	0.14
(2,1036)	1:22:A:LYS:HB3	1:23:A:THR:H	14	0.14
(2,1036)	1:22:A:LYS:HB2	1:23:A:THR:H	14	0.14
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	14	0.14
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	14	0.14
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	14	0.14
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	14	0.14
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	14	0.14
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	14	0.14
(2,991)	1:172:A:THR:H	1:171:A:THR:HA	5	0.14
(2,980)	1:93:A:GLU:H	1:92:A:THR:H	2	0.14
(2,980)	1:93:A:GLU:H	1:92:A:THR:H	3	0.14
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	16	0.14
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	16	0.14
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	16	0.14
(2,899)	1:75:A:GLN:H	1:74:A:THR:H	5	0.14
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	16	0.14
(2,816)	1:105:A:THR:H	1:109:A:THR:H	19	0.14
(2,783)	1:88:A:ARG:H	1:93:A:GLU:HG2	8	0.14
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	15	0.14
(2,723)	1:145:A:GLN:H	1:146:A:GLN:H	7	0.14
(2,723)	1:145:A:GLN:H	1:146:A:GLN:H	16	0.14
(2,710)	1:166:A:ALA:HB1	1:167:A:ARG:H	13	0.14
(2,710)	1:166:A:ALA:HB2	1:167:A:ARG:H	13	0.14
(2,710)	1:166:A:ALA:HB3	1:167:A:ARG:H	13	0.14
(2,707)	1:167:A:ARG:H	1:167:A:ARG:HD2	13	0.14
(2,707)	1:167:A:ARG:H	1:167:A:ARG:HD3	13	0.14
(2,693)	1:67:A:VAL:H	1:61:A:ASN:H	18	0.14
(2,692)	1:20:A:GLU:H	1:25:A:LYS:H	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG11	18	0.14
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG12	18	0.14
(2,668)	1:126:A:LYS:H	1:125:A:VAL:HG13	18	0.14
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	4	0.14
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	4	0.14
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	4	0.14
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	16	0.14
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	16	0.14
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	16	0.14
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE1	17	0.14
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE2	17	0.14
(2,618)	1:35:A:VAL:H	1:34:A:MET:HE3	17	0.14
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	3	0.14
(2,563)	1:53:A:LEU:HD21	1:45:A:LYS:H	14	0.14
(2,563)	1:53:A:LEU:HD22	1:45:A:LYS:H	14	0.14
(2,563)	1:53:A:LEU:HD23	1:45:A:LYS:H	14	0.14
(2,550)	1:168:A:MET:HA	1:169:A:GLN:H	18	0.14
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	2	0.14
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	1	0.14
(2,444)	1:60:A:GLU:HA	1:60:A:GLU:H	15	0.14
(2,429)	1:67:A:VAL:HG21	1:165:A:VAL:H	16	0.14
(2,429)	1:67:A:VAL:HG22	1:165:A:VAL:H	16	0.14
(2,429)	1:67:A:VAL:HG23	1:165:A:VAL:H	16	0.14
(2,423)	1:76:A:ASN:H	1:77:A:LEU:H	12	0.14
(2,421)	1:22:A:LYS:H	1:22:A:LYS:HB2	17	0.14
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	11	0.14
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	20	0.14
(2,416)	1:74:A:THR:HA	1:75:A:GLN:H	14	0.14
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	19	0.14
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB1	19	0.14
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB2	19	0.14
(2,354)	1:148:A:VAL:H	1:101:A:ALA:HB3	19	0.14
(2,349)	1:113:A:VAL:HB	1:121:A:ASP:H	20	0.14
(2,340)	1:121:A:ASP:HB3	1:121:A:ASP:H	3	0.14
(2,340)	1:121:A:ASP:HB3	1:121:A:ASP:H	9	0.14
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	7	0.14
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	18	0.14
(2,278)	1:65:A:ALA:H	1:63:A:ASP:HB3	8	0.14
(2,278)	1:65:A:ALA:H	1:63:A:ASP:HB2	8	0.14
(2,262)	1:19:A:ALA:HB1	1:19:A:ALA:H	1	0.14
(2,262)	1:19:A:ALA:HB2	1:19:A:ALA:H	1	0.14
(2,262)	1:19:A:ALA:HB3	1:19:A:ALA:H	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	3	0.14
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	5	0.14
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	6	0.14
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	13	0.14
(2,253)	1:111:A:ALA:H	1:110:A:ILE:HG13	20	0.14
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	6	0.14
(2,192)	1:57:A:TYR:H	1:25:A:LYS:HA	17	0.14
(2,185)	1:68:A:ARG:H	1:67:A:VAL:HB	10	0.14
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	1	0.14
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	1	0.14
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	1	0.14
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	9	0.14
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	9	0.14
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	9	0.14
(2,160)	1:103:A:ILE:H	1:110:A:ILE:HG21	15	0.14
(2,160)	1:103:A:ILE:H	1:110:A:ILE:HG22	15	0.14
(2,160)	1:103:A:ILE:H	1:110:A:ILE:HG23	15	0.14
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	9	0.14
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	15	0.14
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	19	0.14
(2,36)	1:127:A:ALA:H	1:137:A:ILE:HD11	9	0.14
(2,36)	1:127:A:ALA:H	1:137:A:ILE:HD12	9	0.14
(2,36)	1:127:A:ALA:H	1:137:A:ILE:HD13	9	0.14
(2,32)	1:127:A:ALA:H	1:138:A:LEU:HB2	19	0.14
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD21	9	0.14
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD22	9	0.14
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD23	9	0.14
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD11	9	0.14
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD12	9	0.14
(2,14)	1:129:A:ALA:H	1:96:A:LEU:HD13	9	0.14
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	14	0.14
(1,657)	1:26:A:ARG:HB3	1:25:A:LYS:H	17	0.14
(1,657)	1:26:A:ARG:HB2	1:25:A:LYS:H	17	0.14
(1,648)	1:40:A:PHE:H	1:29:A:TYR:HA	12	0.14
(1,535)	1:51:A:MET:H	1:46:A:SER:HB2	1	0.14
(1,464)	1:43:A:PRO:HA	1:30:A:TRP:HZ2	5	0.14
(1,408)	1:49:A:MET:HE1	1:48:A:TYR:HA	2	0.14
(1,408)	1:49:A:MET:HE2	1:48:A:TYR:HA	2	0.14
(1,408)	1:49:A:MET:HE3	1:48:A:TYR:HA	2	0.14
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	8	0.14
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	8	0.14
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	8	0.14
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	8	0.14
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	8	0.14
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	8	0.14
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	8	0.14
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	8	0.14
(1,375)	1:34:A:MET:HE1	1:51:A:MET:HE1	9	0.14
(1,375)	1:34:A:MET:HE1	1:51:A:MET:HE2	9	0.14
(1,375)	1:34:A:MET:HE1	1:51:A:MET:HE3	9	0.14
(1,375)	1:34:A:MET:HE2	1:51:A:MET:HE1	9	0.14
(1,375)	1:34:A:MET:HE2	1:51:A:MET:HE2	9	0.14
(1,375)	1:34:A:MET:HE2	1:51:A:MET:HE3	9	0.14
(1,375)	1:34:A:MET:HE3	1:51:A:MET:HE1	9	0.14
(1,375)	1:34:A:MET:HE3	1:51:A:MET:HE2	9	0.14
(1,375)	1:34:A:MET:HE3	1:51:A:MET:HE3	9	0.14
(1,340)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	2	0.14
(1,340)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	7	0.14
(1,340)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	8	0.14
(1,340)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	12	0.14
(1,340)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	13	0.14
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	19	0.14
(1,315)	1:27:A:ILE:HD11	1:58:A:GLU:HB3	2	0.14
(1,315)	1:27:A:ILE:HD12	1:58:A:GLU:HB3	2	0.14
(1,315)	1:27:A:ILE:HD13	1:58:A:GLU:HB3	2	0.14
(1,315)	1:27:A:ILE:HD11	1:58:A:GLU:HB3	5	0.14
(1,315)	1:27:A:ILE:HD12	1:58:A:GLU:HB3	5	0.14
(1,315)	1:27:A:ILE:HD13	1:58:A:GLU:HB3	5	0.14
(1,315)	1:27:A:ILE:HD11	1:58:A:GLU:HB3	11	0.14
(1,315)	1:27:A:ILE:HD12	1:58:A:GLU:HB3	11	0.14
(1,315)	1:27:A:ILE:HD13	1:58:A:GLU:HB3	11	0.14
(1,315)	1:27:A:ILE:HD11	1:58:A:GLU:HB3	19	0.14
(1,315)	1:27:A:ILE:HD12	1:58:A:GLU:HB3	19	0.14
(1,315)	1:27:A:ILE:HD13	1:58:A:GLU:HB3	19	0.14
(1,310)	1:36:A:PRO:HD3	1:36:A:PRO:HB2	18	0.14
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	9	0.14
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	9	0.14
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	9	0.14
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	12	0.14
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	12	0.14
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	12	0.14
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	6	0.14
(1,236)	1:57:A:TYR:H	1:57:A:TYR:HB2	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:39:A:ARG:HD2	1:39:A:ARG:HA	2	0.14
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	2	0.14
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	2	0.14
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	2	0.14
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	9	0.14
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	9	0.14
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	9	0.14
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	14	0.14
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	2	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	5	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	5	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	7	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	7	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	9	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	9	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	14	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	14	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	17	0.14
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	17	0.14
(1,80)	1:49:A:MET:H	1:47:A:PRO:HA	16	0.14
(1,45)	1:35:A:VAL:HB	1:48:A:TYR:HD1	7	0.14
(1,45)	1:35:A:VAL:HB	1:48:A:TYR:HD2	7	0.14
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	3	0.14
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	3	0.14
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	9	0.14
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	9	0.14
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	17	0.14
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	17	0.14
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD1	2	0.14
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD2	2	0.14
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD1	2	0.14
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD2	2	0.14
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD1	2	0.14
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD2	2	0.14
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	11	0.14
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	11	0.14
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	14	0.14
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	14	0.14
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	1	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	2	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	3	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	5	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	6	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	7	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	9	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	10	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	11	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	12	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	13	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	14	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	15	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	16	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	17	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	20	0.13
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	17	0.13
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	17	0.13
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	3	0.13
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	3	0.13
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	3	0.13
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	3	0.13
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	3	0.13
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	3	0.13
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	9	0.13
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	9	0.13
(3,151)	1:53:A:LEU:HD21	1:49:A:MET:H	4	0.13
(3,151)	1:53:A:LEU:HD22	1:49:A:MET:H	4	0.13
(3,151)	1:53:A:LEU:HD23	1:49:A:MET:H	4	0.13
(3,106)	1:27:A:ILE:HA	1:28:A:LEU:HB2	19	0.13
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	16	0.13
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	16	0.13
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	18	0.13
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	18	0.13
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE1	20	0.13
(3,15)	1:28:A:LEU:HB3	1:29:A:TYR:HE2	20	0.13
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	12	0.13
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	12	0.13
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	12	0.13
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	14	0.13
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	14	0.13
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	14	0.13
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	8	0.13
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	8	0.13
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3653)	1:27:A:ILE:HD11	1:58:A:GLU:HB2	10	0.13
(2,3653)	1:27:A:ILE:HD12	1:58:A:GLU:HB2	10	0.13
(2,3653)	1:27:A:ILE:HD13	1:58:A:GLU:HB2	10	0.13
(2,3643)	1:120:A:PHE:HE1	1:112:A:MET:HE1	10	0.13
(2,3643)	1:120:A:PHE:HE1	1:112:A:MET:HE2	10	0.13
(2,3643)	1:120:A:PHE:HE1	1:112:A:MET:HE3	10	0.13
(2,3643)	1:120:A:PHE:HE2	1:112:A:MET:HE1	10	0.13
(2,3643)	1:120:A:PHE:HE2	1:112:A:MET:HE2	10	0.13
(2,3643)	1:120:A:PHE:HE2	1:112:A:MET:HE3	10	0.13
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	7	0.13
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	7	0.13
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	7	0.13
(2,3603)	1:143:A:ALA:HB1	1:145:A:GLN:H	5	0.13
(2,3603)	1:143:A:ALA:HB2	1:145:A:GLN:H	5	0.13
(2,3603)	1:143:A:ALA:HB3	1:145:A:GLN:H	5	0.13
(2,3585)	1:147:A:VAL:HG11	1:102:A:LEU:HB2	15	0.13
(2,3585)	1:147:A:VAL:HG12	1:102:A:LEU:HB2	15	0.13
(2,3585)	1:147:A:VAL:HG13	1:102:A:LEU:HB2	15	0.13
(2,3578)	1:147:A:VAL:HG11	1:146:A:GLN:HA	12	0.13
(2,3578)	1:147:A:VAL:HG12	1:146:A:GLN:HA	12	0.13
(2,3578)	1:147:A:VAL:HG13	1:146:A:GLN:HA	12	0.13
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE1	10	0.13
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE2	10	0.13
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE3	10	0.13
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE1	10	0.13
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE2	10	0.13
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE3	10	0.13
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE1	10	0.13
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE2	10	0.13
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE3	10	0.13
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE1	19	0.13
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE2	19	0.13
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE3	19	0.13
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE1	19	0.13
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE2	19	0.13
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE3	19	0.13
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE1	19	0.13
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE2	19	0.13
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE3	19	0.13
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG21	6	0.13
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG22	6	0.13
(2,3568)	1:166:A:ALA:HB1	1:171:A:THR:HG23	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG21	6	0.13
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG22	6	0.13
(2,3568)	1:166:A:ALA:HB2	1:171:A:THR:HG23	6	0.13
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG21	6	0.13
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG22	6	0.13
(2,3568)	1:166:A:ALA:HB3	1:171:A:THR:HG23	6	0.13
(2,3534)	1:129:A:ALA:HB1	1:130:A:THR:HA	7	0.13
(2,3534)	1:129:A:ALA:HB2	1:130:A:THR:HA	7	0.13
(2,3534)	1:129:A:ALA:HB3	1:130:A:THR:HA	7	0.13
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE1	1	0.13
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE2	1	0.13
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE3	1	0.13
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE1	1	0.13
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE2	1	0.13
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE3	1	0.13
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE1	1	0.13
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE2	1	0.13
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE3	1	0.13
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE1	13	0.13
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE2	13	0.13
(2,3501)	1:34:A:MET:HE1	1:51:A:MET:HE3	13	0.13
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE1	13	0.13
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE2	13	0.13
(2,3501)	1:34:A:MET:HE2	1:51:A:MET:HE3	13	0.13
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE1	13	0.13
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE2	13	0.13
(2,3501)	1:34:A:MET:HE3	1:51:A:MET:HE3	13	0.13
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG11	8	0.13
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG12	8	0.13
(2,3468)	1:75:A:GLN:HA	1:73:A:VAL:HG13	8	0.13
(2,3454)	1:81:A:THR:HG21	1:81:A:THR:H	10	0.13
(2,3454)	1:81:A:THR:HG22	1:81:A:THR:H	10	0.13
(2,3454)	1:81:A:THR:HG23	1:81:A:THR:H	10	0.13
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG21	8	0.13
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG22	8	0.13
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG23	8	0.13
(2,3388)	1:34:A:MET:HE1	1:34:A:MET:HA	2	0.13
(2,3388)	1:34:A:MET:HE2	1:34:A:MET:HA	2	0.13
(2,3388)	1:34:A:MET:HE3	1:34:A:MET:HA	2	0.13
(2,3388)	1:34:A:MET:HE1	1:34:A:MET:HA	3	0.13
(2,3388)	1:34:A:MET:HE2	1:34:A:MET:HA	3	0.13
(2,3388)	1:34:A:MET:HE3	1:34:A:MET:HA	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB1	6	0.13
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB2	6	0.13
(2,3373)	1:125:A:VAL:HG21	1:111:A:ALA:HB3	6	0.13
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB1	6	0.13
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB2	6	0.13
(2,3373)	1:125:A:VAL:HG22	1:111:A:ALA:HB3	6	0.13
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB1	6	0.13
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB2	6	0.13
(2,3373)	1:125:A:VAL:HG23	1:111:A:ALA:HB3	6	0.13
(2,3361)	1:84:A:VAL:HA	1:84:A:VAL:HG21	18	0.13
(2,3361)	1:84:A:VAL:HA	1:84:A:VAL:HG22	18	0.13
(2,3361)	1:84:A:VAL:HA	1:84:A:VAL:HG23	18	0.13
(2,3350)	1:84:A:VAL:HG11	1:142:A:LYS:H	18	0.13
(2,3350)	1:84:A:VAL:HG12	1:142:A:LYS:H	18	0.13
(2,3350)	1:84:A:VAL:HG13	1:142:A:LYS:H	18	0.13
(2,3342)	1:102:A:LEU:HD21	1:99:A:SER:HA	14	0.13
(2,3342)	1:102:A:LEU:HD22	1:99:A:SER:HA	14	0.13
(2,3342)	1:102:A:LEU:HD23	1:99:A:SER:HA	14	0.13
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	13	0.13
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	13	0.13
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	13	0.13
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	20	0.13
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	20	0.13
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	20	0.13
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	16	0.13
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	16	0.13
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	16	0.13
(2,3246)	1:85:A:LYS:H	1:85:A:LYS:HG3	4	0.13
(2,3246)	1:85:A:LYS:H	1:85:A:LYS:HG3	19	0.13
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	7	0.13
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	8	0.13
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	9	0.13
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	15	0.13
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	19	0.13
(2,3235)	1:126:A:LYS:H	1:126:A:LYS:HG2	8	0.13
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	16	0.13
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	16	0.13
(2,3186)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	16	0.13
(2,3151)	1:39:A:ARG:HG2	1:29:A:TYR:HE1	4	0.13
(2,3151)	1:39:A:ARG:HG2	1:29:A:TYR:HE2	4	0.13
(2,3129)	1:87:A:GLY:H	1:86:A:LEU:HG	1	0.13
(2,3128)	1:68:A:ARG:HA	1:68:A:ARG:HG3	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	20	0.13
(2,3093)	1:80:A:ARG:H	1:80:A:ARG:HG2	3	0.13
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	20	0.13
(2,3054)	1:80:A:ARG:HG3	1:81:A:THR:H	8	0.13
(2,3038)	1:46:A:SER:HA	1:45:A:LYS:HD3	5	0.13
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG11	6	0.13
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG12	6	0.13
(2,2993)	1:38:A:GLN:HB3	1:35:A:VAL:HG13	6	0.13
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	1	0.13
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	8	0.13
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	9	0.13
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	20	0.13
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	3	0.13
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	15	0.13
(2,2949)	1:167:A:ARG:HB2	1:167:A:ARG:HG2	3	0.13
(2,2803)	1:81:A:THR:HA	1:148:A:VAL:HB	8	0.13
(2,2781)	1:49:A:MET:H	1:49:A:MET:HG2	15	0.13
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	6	0.13
(2,2720)	1:75:A:GLN:HB3	1:75:A:GLN:HG3	12	0.13
(2,2720)	1:75:A:GLN:HB3	1:75:A:GLN:HG2	12	0.13
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	10	0.13
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD11	13	0.13
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD12	13	0.13
(2,2628)	1:123:A:VAL:HB	1:141:A:LEU:HD13	13	0.13
(2,2540)	1:139:A:GLU:H	1:139:A:GLU:HG2	15	0.13
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD11	4	0.13
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD12	4	0.13
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD13	4	0.13
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	12	0.13
(2,2498)	1:94:A:ARG:H	1:93:A:GLU:HG3	4	0.13
(2,2478)	1:34:A:MET:H	1:34:A:MET:HG3	3	0.13
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	16	0.13
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	17	0.13
(2,2470)	1:69:A:ILE:HB	1:72:A:ARG:HG2	6	0.13
(2,2460)	1:77:A:LEU:H	1:76:A:ASN:HB3	4	0.13
(2,2420)	1:179:A:PHE:H	1:179:A:PHE:HB3	3	0.13
(2,2420)	1:179:A:PHE:H	1:179:A:PHE:HB3	4	0.13
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	9	0.13
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	9	0.13
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE3	13	0.13
(2,2318)	1:84:A:VAL:HA	1:85:A:LYS:HE2	13	0.13
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE2	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE3	5	0.13
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	10	0.13
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	10	0.13
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	10	0.13
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	10	0.13
(2,2245)	1:167:A:ARG:HD2	1:168:A:MET:HG3	1	0.13
(2,2245)	1:167:A:ARG:HD3	1:168:A:MET:HG3	1	0.13
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	16	0.13
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	16	0.13
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	16	0.13
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD2	20	0.13
(2,2243)	1:167:A:ARG:HA	1:167:A:ARG:HD3	20	0.13
(2,2237)	1:138:A:LEU:HD11	1:94:A:ARG:HD3	3	0.13
(2,2237)	1:138:A:LEU:HD12	1:94:A:ARG:HD3	3	0.13
(2,2237)	1:138:A:LEU:HD13	1:94:A:ARG:HD3	3	0.13
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	8	0.13
(2,2220)	1:138:A:LEU:HD11	1:94:A:ARG:HD2	4	0.13
(2,2220)	1:138:A:LEU:HD12	1:94:A:ARG:HD2	4	0.13
(2,2220)	1:138:A:LEU:HD13	1:94:A:ARG:HD2	4	0.13
(2,2213)	1:121:A:ASP:HB2	1:115:A:LYS:HD3	7	0.13
(2,2210)	1:121:A:ASP:HB2	1:122:A:PRO:HD3	3	0.13
(2,2210)	1:121:A:ASP:HB2	1:122:A:PRO:HD3	7	0.13
(2,2210)	1:121:A:ASP:HB2	1:122:A:PRO:HD3	16	0.13
(2,2210)	1:121:A:ASP:HB2	1:122:A:PRO:HD3	18	0.13
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	15	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	8	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	8	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	8	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	15	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	15	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	15	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	16	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	16	0.13
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	16	0.13
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	19	0.13
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	19	0.13
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	19	0.13
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	10	0.13
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	10	0.13
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	10	0.13
(2,2112)	1:78:A:GLY:HA3	1:79:A:VAL:HB	10	0.13
(2,2112)	1:78:A:GLY:HA2	1:79:A:VAL:HB	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2112)	1:78:A:GLY:HA3	1:79:A:VAL:HB	11	0.13
(2,2112)	1:78:A:GLY:HA2	1:79:A:VAL:HB	11	0.13
(2,2108)	1:78:A:GLY:HA2	1:78:A:GLY:H	9	0.13
(2,2107)	1:71:A:GLY:HA2	1:71:A:GLY:H	20	0.13
(2,2094)	1:125:A:VAL:HG21	1:140:A:GLY:HA3	3	0.13
(2,2094)	1:125:A:VAL:HG22	1:140:A:GLY:HA3	3	0.13
(2,2094)	1:125:A:VAL:HG23	1:140:A:GLY:HA3	3	0.13
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	13	0.13
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	19	0.13
(2,2016)	1:149:A:VAL:HG21	1:98:A:PRO:HD3	6	0.13
(2,2016)	1:149:A:VAL:HG22	1:98:A:PRO:HD3	6	0.13
(2,2016)	1:149:A:VAL:HG23	1:98:A:PRO:HD3	6	0.13
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	1	0.13
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	9	0.13
(2,1897)	1:143:A:ALA:HA	1:85:A:LYS:HG2	14	0.13
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	4	0.13
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	5	0.13
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	7	0.13
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	4	0.13
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	11	0.13
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	15	0.13
(2,1724)	1:61:A:ASN:H	1:60:A:GLU:HA	9	0.13
(2,1724)	1:61:A:ASN:H	1:60:A:GLU:HA	14	0.13
(2,1717)	1:88:A:ARG:HB3	1:93:A:GLU:HA	12	0.13
(2,1706)	1:120:A:PHE:HE1	1:120:A:PHE:HA	7	0.13
(2,1706)	1:120:A:PHE:HE2	1:120:A:PHE:HA	7	0.13
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	4	0.13
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	4	0.13
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	4	0.13
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	8	0.13
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	8	0.13
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	8	0.13
(2,1678)	1:147:A:VAL:HA	1:112:A:MET:HA	18	0.13
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	19	0.13
(2,1597)	1:150:A:SER:HA	1:150:A:SER:HB3	19	0.13
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	5	0.13
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	5	0.13
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	14	0.13
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	14	0.13
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	18	0.13
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	18	0.13
(2,1584)	1:104:A:ARG:HD3	1:105:A:THR:HA	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1584)	1:104:A:ARG:HD2	1:105:A:THR:HA	1	0.13
(2,1571)	1:81:A:THR:HA	1:82:A:ALA:HA	1	0.13
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	6	0.13
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	6	0.13
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	12	0.13
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	12	0.13
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	2	0.13
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	15	0.13
(2,1494)	1:103:A:ILE:HG21	1:109:A:THR:HA	18	0.13
(2,1494)	1:103:A:ILE:HG22	1:109:A:THR:HA	18	0.13
(2,1494)	1:103:A:ILE:HG23	1:109:A:THR:HA	18	0.13
(2,1493)	1:102:A:LEU:HD11	1:109:A:THR:HA	20	0.13
(2,1493)	1:102:A:LEU:HD12	1:109:A:THR:HA	20	0.13
(2,1493)	1:102:A:LEU:HD13	1:109:A:THR:HA	20	0.13
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	15	0.13
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	15	0.13
(2,1477)	1:74:A:THR:HA	1:75:A:GLN:H	14	0.13
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	6	0.13
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	8	0.13
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	17	0.13
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	5	0.13
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	5	0.13
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	5	0.13
(2,1332)	1:74:A:THR:H	1:74:A:THR:HB	6	0.13
(2,1327)	1:173:A:SER:H	1:172:A:THR:HB	5	0.13
(2,1327)	1:173:A:SER:H	1:172:A:THR:HB	17	0.13
(2,1325)	1:92:A:THR:HB	1:94:A:ARG:HA	4	0.13
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	2	0.13
(2,1313)	1:136:A:GLU:H	1:130:A:THR:HB	5	0.13
(2,1313)	1:136:A:GLU:H	1:130:A:THR:HB	15	0.13
(2,1309)	1:131:A:ALA:H	1:130:A:THR:HB	19	0.13
(2,1253)	1:116:A:GLY:H	1:119:A:GLY:H	13	0.13
(2,1247)	1:78:A:GLY:H	1:79:A:VAL:HB	10	0.13
(2,1239)	1:62:A:ALA:HB1	1:64:A:GLY:H	11	0.13
(2,1239)	1:62:A:ALA:HB2	1:64:A:GLY:H	11	0.13
(2,1239)	1:62:A:ALA:HB3	1:64:A:GLY:H	11	0.13
(2,1193)	1:144:A:GLY:H	1:145:A:GLN:HG2	5	0.13
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG11	11	0.13
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG12	11	0.13
(2,1176)	1:38:A:GLN:HE22	1:35:A:VAL:HG13	11	0.13
(2,1145)	1:97:A:VAL:H	1:98:A:PRO:HD3	9	0.13
(2,1076)	1:123:A:VAL:HG21	1:141:A:LEU:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1076)	1:123:A:VAL:HG22	1:141:A:LEU:H	1	0.13
(2,1076)	1:123:A:VAL:HG23	1:141:A:LEU:H	1	0.13
(2,1076)	1:123:A:VAL:HG11	1:141:A:LEU:H	1	0.13
(2,1076)	1:123:A:VAL:HG12	1:141:A:LEU:H	1	0.13
(2,1076)	1:123:A:VAL:HG13	1:141:A:LEU:H	1	0.13
(2,1076)	1:123:A:VAL:HG21	1:141:A:LEU:H	17	0.13
(2,1076)	1:123:A:VAL:HG22	1:141:A:LEU:H	17	0.13
(2,1076)	1:123:A:VAL:HG23	1:141:A:LEU:H	17	0.13
(2,1076)	1:123:A:VAL:HG11	1:141:A:LEU:H	17	0.13
(2,1076)	1:123:A:VAL:HG12	1:141:A:LEU:H	17	0.13
(2,1076)	1:123:A:VAL:HG13	1:141:A:LEU:H	17	0.13
(2,1072)	1:137:A:ILE:HB	1:141:A:LEU:H	14	0.13
(2,1040)	1:67:A:VAL:HG21	1:164:A:THR:H	17	0.13
(2,1040)	1:67:A:VAL:HG22	1:164:A:THR:H	17	0.13
(2,1040)	1:67:A:VAL:HG23	1:164:A:THR:H	17	0.13
(2,1036)	1:22:A:LYS:HB3	1:23:A:THR:H	9	0.13
(2,1036)	1:22:A:LYS:HB2	1:23:A:THR:H	9	0.13
(2,1017)	1:139:A:GLU:H	1:140:A:GLY:HA2	8	0.13
(2,1015)	1:137:A:ILE:HA	1:139:A:GLU:H	9	0.13
(2,994)	1:172:A:THR:H	1:172:A:THR:HG21	16	0.13
(2,994)	1:172:A:THR:H	1:172:A:THR:HG22	16	0.13
(2,994)	1:172:A:THR:H	1:172:A:THR:HG23	16	0.13
(2,991)	1:172:A:THR:H	1:171:A:THR:HA	10	0.13
(2,907)	1:29:A:TYR:HD1	1:42:A:LYS:H	13	0.13
(2,907)	1:29:A:TYR:HD2	1:42:A:LYS:H	13	0.13
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	13	0.13
(2,901)	1:74:A:THR:H	1:74:A:THR:HB	15	0.13
(2,874)	1:125:A:VAL:H	1:110:A:ILE:HG12	19	0.13
(2,796)	1:67:A:VAL:H	1:66:A:ALA:H	14	0.13
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	14	0.13
(2,742)	1:79:A:VAL:H	1:79:A:VAL:HB	14	0.13
(2,723)	1:145:A:GLN:H	1:146:A:GLN:H	8	0.13
(2,723)	1:145:A:GLN:H	1:146:A:GLN:H	12	0.13
(2,697)	1:19:A:ALA:HB1	1:20:A:GLU:H	13	0.13
(2,697)	1:19:A:ALA:HB2	1:20:A:GLU:H	13	0.13
(2,697)	1:19:A:ALA:HB3	1:20:A:GLU:H	13	0.13
(2,637)	1:70:A:ASP:HA	1:72:A:ARG:H	5	0.13
(2,616)	1:51:A:MET:H	1:49:A:MET:HB2	4	0.13
(2,604)	1:73:A:VAL:HG21	1:72:A:ARG:H	8	0.13
(2,604)	1:73:A:VAL:HG22	1:72:A:ARG:H	8	0.13
(2,604)	1:73:A:VAL:HG23	1:72:A:ARG:H	8	0.13
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,549)	1:149:A:VAL:HG21	1:83:A:GLU:H	9	0.13
(2,549)	1:149:A:VAL:HG22	1:83:A:GLU:H	9	0.13
(2,549)	1:149:A:VAL:HG23	1:83:A:GLU:H	9	0.13
(2,549)	1:149:A:VAL:HG21	1:83:A:GLU:H	20	0.13
(2,549)	1:149:A:VAL:HG22	1:83:A:GLU:H	20	0.13
(2,549)	1:149:A:VAL:HG23	1:83:A:GLU:H	20	0.13
(2,528)	1:175:A:LEU:H	1:174:A:GLY:HA2	6	0.13
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	3	0.13
(2,511)	1:168:A:MET:H	1:168:A:MET:HE1	12	0.13
(2,511)	1:168:A:MET:H	1:168:A:MET:HE2	12	0.13
(2,511)	1:168:A:MET:H	1:168:A:MET:HE3	12	0.13
(2,511)	1:168:A:MET:H	1:168:A:MET:HE1	14	0.13
(2,511)	1:168:A:MET:H	1:168:A:MET:HE2	14	0.13
(2,511)	1:168:A:MET:H	1:168:A:MET:HE3	14	0.13
(2,493)	1:133:A:GLY:HA3	1:99:A:SER:H	10	0.13
(2,471)	1:46:A:SER:H	1:45:A:LYS:HD2	18	0.13
(2,471)	1:46:A:SER:H	1:45:A:LYS:HD3	18	0.13
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	16	0.13
(2,371)	1:75:A:GLN:H	1:76:A:ASN:H	5	0.13
(2,363)	1:86:A:LEU:H	1:85:A:LYS:HE3	9	0.13
(2,363)	1:86:A:LEU:H	1:85:A:LYS:HE2	9	0.13
(2,362)	1:86:A:LEU:H	1:143:A:ALA:HA	8	0.13
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	4	0.13
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	9	0.13
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	12	0.13
(2,340)	1:121:A:ASP:HB3	1:121:A:ASP:H	20	0.13
(2,326)	1:69:A:ILE:HB	1:69:A:ILE:H	6	0.13
(2,322)	1:68:A:ARG:HA	1:69:A:ILE:H	4	0.13
(2,285)	1:115:A:LYS:H	1:118:A:GLY:H	17	0.13
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	3	0.13
(2,238)	1:87:A:GLY:HA3	1:94:A:ARG:H	18	0.13
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	10	0.13
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	3	0.13
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	3	0.13
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	3	0.13
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	11	0.13
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	11	0.13
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	11	0.13
(2,147)	1:86:A:LEU:HD21	1:93:A:GLU:H	17	0.13
(2,147)	1:86:A:LEU:HD22	1:93:A:GLU:H	17	0.13
(2,147)	1:86:A:LEU:HD23	1:93:A:GLU:H	17	0.13
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	3	0.13
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	4	0.13
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	8	0.13
(2,48)	1:97:A:VAL:HG21	1:85:A:LYS:H	17	0.13
(2,48)	1:97:A:VAL:HG22	1:85:A:LYS:H	17	0.13
(2,48)	1:97:A:VAL:HG23	1:85:A:LYS:H	17	0.13
(2,9)	1:129:A:ALA:H	1:136:A:GLU:HG2	7	0.13
(2,3)	1:129:A:ALA:H	1:128:A:GLY:H	9	0.13
(2,3)	1:129:A:ALA:H	1:128:A:GLY:H	12	0.13
(1,594)	1:46:A:SER:H	1:49:A:MET:H	15	0.13
(1,553)	1:50:A:ASP:HB2	1:50:A:ASP:H	14	0.13
(1,535)	1:51:A:MET:H	1:46:A:SER:HB2	17	0.13
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	15	0.13
(1,489)	1:58:A:GLU:HG3	1:59:A:GLU:H	8	0.13
(1,474)	1:39:A:ARG:H	1:38:A:GLN:HE22	11	0.13
(1,470)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	5	0.13
(1,470)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	5	0.13
(1,470)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	5	0.13
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	1	0.13
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	1	0.13
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	8	0.13
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	8	0.13
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	12	0.13
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	12	0.13
(1,422)	1:58:A:GLU:HG3	1:62:A:ALA:HB1	4	0.13
(1,422)	1:58:A:GLU:HG3	1:62:A:ALA:HB2	4	0.13
(1,422)	1:58:A:GLU:HG3	1:62:A:ALA:HB3	4	0.13
(1,408)	1:49:A:MET:HE1	1:48:A:TYR:HA	8	0.13
(1,408)	1:49:A:MET:HE2	1:48:A:TYR:HA	8	0.13
(1,408)	1:49:A:MET:HE3	1:48:A:TYR:HA	8	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	4	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	4	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	4	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	4	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	4	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	4	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	4	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	4	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	4	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	12	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	12	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	12	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	12	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	12	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	12	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	12	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	12	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	13	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	13	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	13	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	13	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	13	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	13	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	13	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	13	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	13	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	14	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	14	0.13
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	14	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	14	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	14	0.13
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	14	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	14	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	14	0.13
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	14	0.13
(1,369)	1:45:A:LYS:HG2	1:45:A:LYS:HB2	2	0.13
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	3	0.13
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	5	0.13
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	16	0.13
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	18	0.13
(1,325)	1:45:A:LYS:HD3	1:45:A:LYS:H	9	0.13
(1,321)	1:38:A:GLN:HB3	1:35:A:VAL:HG21	17	0.13
(1,321)	1:38:A:GLN:HB3	1:35:A:VAL:HG22	17	0.13
(1,321)	1:38:A:GLN:HB3	1:35:A:VAL:HG23	17	0.13
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	5	0.13
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	5	0.13
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	5	0.13
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	8	0.13
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	8	0.13
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	8	0.13
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	20	0.13
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	20	0.13
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:27:A:ILE:HD11	1:58:A:GLU:HG2	15	0.13
(1,262)	1:27:A:ILE:HD12	1:58:A:GLU:HG2	15	0.13
(1,262)	1:27:A:ILE:HD13	1:58:A:GLU:HG2	15	0.13
(1,236)	1:57:A:TYR:H	1:57:A:TYR:HB2	5	0.13
(1,220)	1:39:A:ARG:HD3	1:29:A:TYR:HD1	13	0.13
(1,220)	1:39:A:ARG:HD3	1:29:A:TYR:HD2	13	0.13
(1,216)	1:39:A:ARG:HD2	1:39:A:ARG:HA	20	0.13
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	16	0.13
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	16	0.13
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	16	0.13
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	1	0.13
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	2	0.13
(1,149)	1:27:A:ILE:HD11	1:59:A:GLU:HA	11	0.13
(1,149)	1:27:A:ILE:HD12	1:59:A:GLU:HA	11	0.13
(1,149)	1:27:A:ILE:HD13	1:59:A:GLU:HA	11	0.13
(1,149)	1:27:A:ILE:HD11	1:59:A:GLU:HA	17	0.13
(1,149)	1:27:A:ILE:HD12	1:59:A:GLU:HA	17	0.13
(1,149)	1:27:A:ILE:HD13	1:59:A:GLU:HA	17	0.13
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	15	0.13
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	2	0.13
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	2	0.13
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	10	0.13
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	10	0.13
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	11	0.13
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	11	0.13
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	20	0.13
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	20	0.13
(1,80)	1:49:A:MET:H	1:47:A:PRO:HA	11	0.13
(1,80)	1:49:A:MET:H	1:47:A:PRO:HA	18	0.13
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	10	0.13
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE1	4	0.13
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE2	4	0.13
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD1	19	0.13
(1,42)	1:27:A:ILE:HG13	1:57:A:TYR:HD2	19	0.13
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD1	10	0.13
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD2	10	0.13
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD1	10	0.13
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD2	10	0.13
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD1	10	0.13
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD2	10	0.13
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	12	0.13
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:27:A:ILE:HG12	1:57:A:TYR:HE1	7	0.13
(1,23)	1:27:A:ILE:HG12	1:57:A:TYR:HE2	7	0.13
(1,23)	1:27:A:ILE:HG12	1:57:A:TYR:HE1	18	0.13
(1,23)	1:27:A:ILE:HG12	1:57:A:TYR:HE2	18	0.13
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE1	5	0.13
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE2	5	0.13
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	8	0.12
(4,107)	1:55:A:PRO:HB2	1:55:A:PRO:HB3	18	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	8	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	8	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	10	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	10	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	15	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	15	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	19	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	19	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	20	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	20	0.12
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	16	0.12
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	16	0.12
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	16	0.12
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	16	0.12
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	16	0.12
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	16	0.12
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD1	7	0.12
(4,32)	1:58:A:GLU:H	1:57:A:TYR:HD2	7	0.12
(3,131)	1:53:A:LEU:HD21	1:31:A:ARG:H	10	0.12
(3,131)	1:53:A:LEU:HD22	1:31:A:ARG:H	10	0.12
(3,131)	1:53:A:LEU:HD23	1:31:A:ARG:H	10	0.12
(3,77)	1:39:A:ARG:H	1:39:A:ARG:HG2	11	0.12
(3,77)	1:39:A:ARG:H	1:39:A:ARG:HG3	11	0.12
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	1	0.12
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	1	0.12
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	1	0.12
(2,3654)	1:27:A:ILE:HD11	1:43:A:PRO:HB3	6	0.12
(2,3654)	1:27:A:ILE:HD12	1:43:A:PRO:HB3	6	0.12
(2,3654)	1:27:A:ILE:HD13	1:43:A:PRO:HB3	6	0.12
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE1	10	0.12
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE2	10	0.12
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE1	10	0.12
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE2	10	0.12
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE1	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE2	10	0.12
(2,3648)	1:27:A:ILE:HD11	1:60:A:GLU:H	19	0.12
(2,3648)	1:27:A:ILE:HD12	1:60:A:GLU:H	19	0.12
(2,3648)	1:27:A:ILE:HD13	1:60:A:GLU:H	19	0.12
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	2	0.12
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	2	0.12
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	2	0.12
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	3	0.12
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	3	0.12
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	3	0.12
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	6	0.12
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	6	0.12
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	6	0.12
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	12	0.12
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	12	0.12
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	12	0.12
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	18	0.12
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	18	0.12
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	18	0.12
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	5	0.12
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	5	0.12
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	5	0.12
(2,3636)	1:137:A:ILE:HG21	1:140:A:GLY:HA2	10	0.12
(2,3636)	1:137:A:ILE:HG22	1:140:A:GLY:HA2	10	0.12
(2,3636)	1:137:A:ILE:HG23	1:140:A:GLY:HA2	10	0.12
(2,3619)	1:103:A:ILE:HG21	1:110:A:ILE:HG13	14	0.12
(2,3619)	1:103:A:ILE:HG22	1:110:A:ILE:HG13	14	0.12
(2,3619)	1:103:A:ILE:HG23	1:110:A:ILE:HG13	14	0.12
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG21	11	0.12
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG22	11	0.12
(2,3593)	1:122:A:PRO:HA	1:110:A:ILE:HG23	11	0.12
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE1	11	0.12
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE2	11	0.12
(2,3569)	1:166:A:ALA:HB1	1:168:A:MET:HE3	11	0.12
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE1	11	0.12
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE2	11	0.12
(2,3569)	1:166:A:ALA:HB2	1:168:A:MET:HE3	11	0.12
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE1	11	0.12
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE2	11	0.12
(2,3569)	1:166:A:ALA:HB3	1:168:A:MET:HE3	11	0.12
(2,3553)	1:19:A:ALA:HB1	1:19:A:ALA:H	6	0.12
(2,3553)	1:19:A:ALA:HB2	1:19:A:ALA:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3553)	1:19:A:ALA:HB3	1:19:A:ALA:H	6	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	1	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	1	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	1	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	4	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	4	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	4	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	5	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	5	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	5	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	10	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	10	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	10	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	16	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	16	0.12
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	16	0.12
(2,3534)	1:129:A:ALA:HB1	1:130:A:THR:HA	14	0.12
(2,3534)	1:129:A:ALA:HB2	1:130:A:THR:HA	14	0.12
(2,3534)	1:129:A:ALA:HB3	1:130:A:THR:HA	14	0.12
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	10	0.12
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	10	0.12
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	10	0.12
(2,3522)	1:49:A:MET:HE1	1:47:A:PRO:HA	12	0.12
(2,3522)	1:49:A:MET:HE2	1:47:A:PRO:HA	12	0.12
(2,3522)	1:49:A:MET:HE3	1:47:A:PRO:HA	12	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE1	8	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE2	8	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE3	8	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE1	10	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE2	10	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE3	10	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE1	12	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE2	12	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE3	12	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE1	17	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE2	17	0.12
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE3	17	0.12
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG21	16	0.12
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG22	16	0.12
(2,3465)	1:68:A:ARG:H	1:67:A:VAL:HG23	16	0.12
(2,3461)	1:114:A:ALA:HB1	1:81:A:THR:HG21	16	0.12
(2,3461)	1:114:A:ALA:HB1	1:81:A:THR:HG22	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3461)	1:114:A:ALA:HB1	1:81:A:THR:HG23	16	0.12
(2,3461)	1:114:A:ALA:HB2	1:81:A:THR:HG21	16	0.12
(2,3461)	1:114:A:ALA:HB2	1:81:A:THR:HG22	16	0.12
(2,3461)	1:114:A:ALA:HB2	1:81:A:THR:HG23	16	0.12
(2,3461)	1:114:A:ALA:HB3	1:81:A:THR:HG21	16	0.12
(2,3461)	1:114:A:ALA:HB3	1:81:A:THR:HG22	16	0.12
(2,3461)	1:114:A:ALA:HB3	1:81:A:THR:HG23	16	0.12
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG21	2	0.12
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG22	2	0.12
(2,3452)	1:147:A:VAL:H	1:81:A:THR:HG23	2	0.12
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG11	17	0.12
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG12	17	0.12
(2,3433)	1:68:A:ARG:H	1:67:A:VAL:HG13	17	0.12
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE1	19	0.12
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE2	19	0.12
(2,3385)	1:32:A:ASP:HB2	1:34:A:MET:HE3	19	0.12
(2,3382)	1:129:A:ALA:H	1:138:A:LEU:HD11	3	0.12
(2,3382)	1:129:A:ALA:H	1:138:A:LEU:HD12	3	0.12
(2,3382)	1:129:A:ALA:H	1:138:A:LEU:HD13	3	0.12
(2,3321)	1:109:A:THR:HG21	1:104:A:ARG:HG2	13	0.12
(2,3321)	1:109:A:THR:HG22	1:104:A:ARG:HG2	13	0.12
(2,3321)	1:109:A:THR:HG23	1:104:A:ARG:HG2	13	0.12
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	4	0.12
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	4	0.12
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	4	0.12
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	6	0.12
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	6	0.12
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	6	0.12
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	8	0.12
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	8	0.12
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	8	0.12
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	10	0.12
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	10	0.12
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	10	0.12
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	11	0.12
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	11	0.12
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	11	0.12
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	15	0.12
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	15	0.12
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	15	0.12
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	17	0.12
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	17	0.12
(2,3283)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	18	0.12
(2,3268)	1:96:A:LEU:HD11	1:134:A:GLN:H	17	0.12
(2,3268)	1:96:A:LEU:HD12	1:134:A:GLN:H	17	0.12
(2,3268)	1:96:A:LEU:HD13	1:134:A:GLN:H	17	0.12
(2,3246)	1:85:A:LYS:H	1:85:A:LYS:HG3	2	0.12
(2,3246)	1:85:A:LYS:H	1:85:A:LYS:HG3	11	0.12
(2,3246)	1:85:A:LYS:H	1:85:A:LYS:HG3	20	0.12
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	3	0.12
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	4	0.12
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	11	0.12
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	20	0.12
(2,3237)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	1	0.12
(2,3237)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	5	0.12
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	10	0.12
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	10	0.12
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	10	0.12
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG3	2	0.12
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG2	2	0.12
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG3	12	0.12
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG2	12	0.12
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD11	1	0.12
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD12	1	0.12
(2,3201)	1:135:A:SER:HA	1:102:A:LEU:HD13	1	0.12
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD21	5	0.12
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD22	5	0.12
(2,3183)	1:157:A:SER:HB3	1:161:A:LEU:HD23	5	0.12
(2,3151)	1:39:A:ARG:HG2	1:29:A:TYR:HE1	12	0.12
(2,3151)	1:39:A:ARG:HG2	1:29:A:TYR:HE2	12	0.12
(2,3128)	1:68:A:ARG:HA	1:68:A:ARG:HG3	19	0.12
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	2	0.12
(2,3064)	1:122:A:PRO:HG2	1:121:A:ASP:HA	14	0.12
(2,3029)	1:115:A:LYS:H	1:115:A:LYS:HD2	19	0.12
(2,3004)	1:126:A:LYS:HD3	1:94:A:ARG:HD3	18	0.12
(2,2980)	1:75:A:GLN:H	1:75:A:GLN:HB3	12	0.12
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	3	0.12
(2,2971)	1:75:A:GLN:HA	1:75:A:GLN:HB3	13	0.12
(2,2968)	1:60:A:GLU:HB3	1:60:A:GLU:HA	9	0.12
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	9	0.12
(2,2948)	1:162:A:ARG:HG3	1:162:A:ARG:HB2	9	0.12
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	1	0.12
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	8	0.12
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	19	0.12
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	3	0.12
(2,2854)	1:129:A:ALA:H	1:136:A:GLU:HB3	15	0.12
(2,2797)	1:80:A:ARG:H	1:80:A:ARG:HB3	20	0.12
(2,2780)	1:51:A:MET:H	1:49:A:MET:HG2	5	0.12
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	7	0.12
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	17	0.12
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	19	0.12
(2,2760)	1:114:A:ALA:HB1	1:146:A:GLN:HG2	19	0.12
(2,2760)	1:114:A:ALA:HB2	1:146:A:GLN:HG2	19	0.12
(2,2760)	1:114:A:ALA:HB3	1:146:A:GLN:HG2	19	0.12
(2,2733)	1:98:A:PRO:HD2	1:97:A:VAL:HB	16	0.12
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	19	0.12
(2,2654)	1:126:A:LYS:HB3	1:139:A:GLU:H	4	0.12
(2,2650)	1:126:A:LYS:HB2	1:125:A:VAL:HB	5	0.12
(2,2650)	1:126:A:LYS:HB2	1:125:A:VAL:HB	9	0.12
(2,2620)	1:139:A:GLU:H	1:125:A:VAL:HB	20	0.12
(2,2606)	1:140:A:GLY:HA3	1:125:A:VAL:HB	16	0.12
(2,2557)	1:86:A:LEU:H	1:85:A:LYS:HB2	7	0.12
(2,2550)	1:83:A:GLU:HG2	1:144:A:GLY:HA3	7	0.12
(2,2499)	1:88:A:ARG:HD2	1:93:A:GLU:HG3	5	0.12
(2,2499)	1:88:A:ARG:HD3	1:93:A:GLU:HG3	5	0.12
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	2	0.12
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	14	0.12
(2,2472)	1:69:A:ILE:HB	1:71:A:GLY:H	18	0.12
(2,2470)	1:69:A:ILE:HB	1:72:A:ARG:HG2	7	0.12
(2,2470)	1:69:A:ILE:HB	1:72:A:ARG:HG2	16	0.12
(2,2460)	1:77:A:LEU:H	1:76:A:ASN:HB3	7	0.12
(2,2455)	1:78:A:GLY:HA3	1:76:A:ASN:HB2	4	0.12
(2,2455)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	4	0.12
(2,2416)	1:180:A:GLN:H	1:179:A:PHE:HB2	6	0.12
(2,2409)	1:57:A:TYR:HB2	1:25:A:LYS:HD3	3	0.12
(2,2409)	1:57:A:TYR:HB2	1:25:A:LYS:HD2	3	0.12
(2,2396)	1:35:A:VAL:HG21	1:48:A:TYR:HB2	4	0.12
(2,2396)	1:35:A:VAL:HG22	1:48:A:TYR:HB2	4	0.12
(2,2396)	1:35:A:VAL:HG23	1:48:A:TYR:HB2	4	0.12
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE1	5	0.12
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE2	5	0.12
(2,2395)	1:48:A:TYR:HB2	1:49:A:MET:HE3	5	0.12
(2,2350)	1:32:A:ASP:HB2	1:35:A:VAL:HB	20	0.12
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG21	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG22	17	0.12
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG23	17	0.12
(2,2316)	1:83:A:GLU:H	1:85:A:LYS:HE3	10	0.12
(2,2316)	1:83:A:GLU:H	1:85:A:LYS:HE2	10	0.12
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	14	0.12
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	14	0.12
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	14	0.12
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	14	0.12
(2,2246)	1:104:A:ARG:HD3	1:105:A:THR:H	8	0.12
(2,2246)	1:104:A:ARG:HD2	1:105:A:THR:H	8	0.12
(2,2244)	1:167:A:ARG:HD2	1:167:A:ARG:HG2	10	0.12
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	10	0.12
(2,2244)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	10	0.12
(2,2225)	1:104:A:ARG:HD2	1:104:A:ARG:HB2	16	0.12
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	13	0.12
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	13	0.12
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	13	0.12
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	17	0.12
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	17	0.12
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	17	0.12
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	2	0.12
(2,2071)	1:142:A:LYS:H	1:141:A:LEU:HB3	17	0.12
(2,2065)	1:84:A:VAL:HG11	1:141:A:LEU:HB2	12	0.12
(2,2065)	1:84:A:VAL:HG12	1:141:A:LEU:HB2	12	0.12
(2,2065)	1:84:A:VAL:HG13	1:141:A:LEU:HB2	12	0.12
(2,2025)	1:98:A:PRO:HD2	1:97:A:VAL:HB	16	0.12
(2,2007)	1:35:A:VAL:HA	1:36:A:PRO:HD3	2	0.12
(2,1943)	1:27:A:ILE:HB	1:62:A:ALA:HA	3	0.12
(2,1938)	1:67:A:VAL:HG11	1:66:A:ALA:HA	16	0.12
(2,1938)	1:67:A:VAL:HG12	1:66:A:ALA:HA	16	0.12
(2,1938)	1:67:A:VAL:HG13	1:66:A:ALA:HA	16	0.12
(2,1938)	1:67:A:VAL:HG11	1:66:A:ALA:HA	20	0.12
(2,1938)	1:67:A:VAL:HG12	1:66:A:ALA:HA	20	0.12
(2,1938)	1:67:A:VAL:HG13	1:66:A:ALA:HA	20	0.12
(2,1936)	1:67:A:VAL:HG21	1:66:A:ALA:HA	4	0.12
(2,1936)	1:67:A:VAL:HG22	1:66:A:ALA:HA	4	0.12
(2,1936)	1:67:A:VAL:HG23	1:66:A:ALA:HA	4	0.12
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	18	0.12
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	14	0.12
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	14	0.12
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	14	0.12
(2,1828)	1:96:A:LEU:HD21	1:95:A:LEU:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1828)	1:96:A:LEU:HD22	1:95:A:LEU:HA	9	0.12
(2,1828)	1:96:A:LEU:HD23	1:95:A:LEU:HA	9	0.12
(2,1807)	1:104:A:ARG:HA	1:104:A:ARG:HD3	20	0.12
(2,1807)	1:104:A:ARG:HA	1:104:A:ARG:HD2	20	0.12
(2,1786)	1:25:A:LYS:HA	1:26:A:ARG:H	16	0.12
(2,1746)	1:73:A:VAL:H	1:72:A:ARG:HA	15	0.12
(2,1731)	1:118:A:GLY:H	1:117:A:GLU:HA	20	0.12
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	8	0.12
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	10	0.12
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	19	0.12
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	20	0.12
(2,1724)	1:61:A:ASN:H	1:60:A:GLU:HA	8	0.12
(2,1709)	1:121:A:ASP:HB2	1:120:A:PHE:HA	9	0.12
(2,1706)	1:120:A:PHE:HE1	1:120:A:PHE:HA	13	0.12
(2,1706)	1:120:A:PHE:HE2	1:120:A:PHE:HA	13	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	1	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	1	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	1	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	2	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	2	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	2	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	3	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	3	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	3	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	5	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	5	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	5	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	6	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	6	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	6	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	7	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	7	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	7	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	9	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	9	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	9	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	10	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	10	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	10	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	11	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	11	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	12	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	12	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	12	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	13	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	13	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	13	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	14	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	14	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	14	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	15	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	15	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	15	0.12
(2,1693)	1:97:A:VAL:HG21	1:97:A:VAL:HA	17	0.12
(2,1693)	1:97:A:VAL:HG22	1:97:A:VAL:HA	17	0.12
(2,1693)	1:97:A:VAL:HG23	1:97:A:VAL:HA	17	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	2	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	2	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	6	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	6	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	7	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	7	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	9	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	9	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	16	0.12
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	16	0.12
(2,1571)	1:81:A:THR:HA	1:82:A:ALA:HA	10	0.12
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	4	0.12
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	5	0.12
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	8	0.12
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	10	0.12
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	18	0.12
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	19	0.12
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	20	0.12
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	13	0.12
(2,1390)	1:148:A:VAL:HA	1:81:A:THR:HB	6	0.12
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	2	0.12
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	7	0.12
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	13	0.12
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	19	0.12
(2,1377)	1:36:A:PRO:HA	1:31:A:ARG:HD3	5	0.12
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD11	7	0.12
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD12	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1342)	1:109:A:THR:HB	1:102:A:LEU:HD13	7	0.12
(2,1327)	1:173:A:SER:H	1:172:A:THR:HB	13	0.12
(2,1322)	1:93:A:GLU:HB3	1:92:A:THR:HB	11	0.12
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	3	0.12
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	11	0.12
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	14	0.12
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	19	0.12
(2,1313)	1:136:A:GLU:H	1:130:A:THR:HB	3	0.12
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	5	0.12
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	5	0.12
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	6	0.12
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	6	0.12
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	8	0.12
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	8	0.12
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	15	0.12
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	15	0.12
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	16	0.12
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	16	0.12
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	1	0.12
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD11	19	0.12
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD12	19	0.12
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD13	19	0.12
(2,1159)	1:46:A:SER:HB3	1:49:A:MET:H	13	0.12
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	3	0.12
(2,1155)	1:49:A:MET:H	1:48:A:TYR:HA	13	0.12
(2,1069)	1:139:A:GLU:HB3	1:141:A:LEU:H	6	0.12
(2,994)	1:172:A:THR:H	1:172:A:THR:HG21	4	0.12
(2,994)	1:172:A:THR:H	1:172:A:THR:HG22	4	0.12
(2,994)	1:172:A:THR:H	1:172:A:THR:HG23	4	0.12
(2,994)	1:172:A:THR:H	1:172:A:THR:HG21	6	0.12
(2,994)	1:172:A:THR:H	1:172:A:THR:HG22	6	0.12
(2,994)	1:172:A:THR:H	1:172:A:THR:HG23	6	0.12
(2,994)	1:172:A:THR:H	1:172:A:THR:HG21	9	0.12
(2,994)	1:172:A:THR:H	1:172:A:THR:HG22	9	0.12
(2,994)	1:172:A:THR:H	1:172:A:THR:HG23	9	0.12
(2,993)	1:172:A:THR:H	1:172:A:THR:HB	5	0.12
(2,981)	1:90:A:GLY:H	1:92:A:THR:H	19	0.12
(2,980)	1:93:A:GLU:H	1:92:A:THR:H	6	0.12
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	4	0.12
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	4	0.12
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	4	0.12
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	17	0.12
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	17	0.12
(2,958)	1:34:A:MET:H	1:34:A:MET:HE1	3	0.12
(2,958)	1:34:A:MET:H	1:34:A:MET:HE2	3	0.12
(2,958)	1:34:A:MET:H	1:34:A:MET:HE3	3	0.12
(2,904)	1:74:A:THR:HG21	1:74:A:THR:H	12	0.12
(2,904)	1:74:A:THR:HG22	1:74:A:THR:H	12	0.12
(2,904)	1:74:A:THR:HG23	1:74:A:THR:H	12	0.12
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	4	0.12
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	5	0.12
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	19	0.12
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	3	0.12
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	3	0.12
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	3	0.12
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	14	0.12
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	14	0.12
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	14	0.12
(2,811)	1:119:A:GLY:H	1:117:A:GLU:H	3	0.12
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	6	0.12
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	9	0.12
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	12	0.12
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	13	0.12
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	19	0.12
(2,758)	1:126:A:LYS:HG3	1:109:A:THR:H	8	0.12
(2,757)	1:109:A:THR:H	1:108:A:ARG:HG2	8	0.12
(2,757)	1:109:A:THR:H	1:108:A:ARG:HG3	8	0.12
(2,756)	1:108:A:ARG:HB3	1:109:A:THR:H	6	0.12
(2,748)	1:127:A:ALA:H	1:109:A:THR:H	4	0.12
(2,736)	1:79:A:VAL:H	1:78:A:GLY:H	3	0.12
(2,715)	1:102:A:LEU:HB3	1:101:A:ALA:H	5	0.12
(2,710)	1:166:A:ALA:HB1	1:167:A:ARG:H	2	0.12
(2,710)	1:166:A:ALA:HB2	1:167:A:ARG:H	2	0.12
(2,710)	1:166:A:ALA:HB3	1:167:A:ARG:H	2	0.12
(2,705)	1:168:A:MET:H	1:167:A:ARG:H	5	0.12
(2,699)	1:76:A:ASN:H	1:77:A:LEU:H	16	0.12
(2,674)	1:134:A:GLN:H	1:130:A:THR:HA	4	0.12
(2,637)	1:70:A:ASP:HA	1:72:A:ARG:H	14	0.12
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	16	0.12
(2,569)	1:72:A:ARG:HG2	1:73:A:VAL:H	9	0.12
(2,569)	1:72:A:ARG:HG3	1:73:A:VAL:H	9	0.12
(2,568)	1:73:A:VAL:H	1:72:A:ARG:HB2	20	0.12
(2,563)	1:53:A:LEU:HD21	1:45:A:LYS:H	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,563)	1:53:A:LEU:HD22	1:45:A:LYS:H	11	0.12
(2,563)	1:53:A:LEU:HD23	1:45:A:LYS:H	11	0.12
(2,549)	1:149:A:VAL:HG21	1:83:A:GLU:H	17	0.12
(2,549)	1:149:A:VAL:HG22	1:83:A:GLU:H	17	0.12
(2,549)	1:149:A:VAL:HG23	1:83:A:GLU:H	17	0.12
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	10	0.12
(2,508)	1:168:A:MET:H	1:167:A:ARG:HA	14	0.12
(2,461)	1:46:A:SER:H	1:50:A:ASP:HA	17	0.12
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	2	0.12
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	14	0.12
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	17	0.12
(2,418)	1:75:A:GLN:H	1:75:A:GLN:HB3	11	0.12
(2,362)	1:86:A:LEU:H	1:143:A:ALA:HA	7	0.12
(2,331)	1:69:A:ILE:HG12	1:69:A:ILE:H	5	0.12
(2,290)	1:115:A:LYS:H	1:116:A:GLY:HA2	17	0.12
(2,258)	1:19:A:ALA:H	1:20:A:GLU:H	16	0.12
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	5	0.12
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	5	0.12
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	5	0.12
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	8	0.12
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	8	0.12
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	8	0.12
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	20	0.12
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	20	0.12
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	20	0.12
(2,160)	1:103:A:ILE:H	1:110:A:ILE:HG21	20	0.12
(2,160)	1:103:A:ILE:H	1:110:A:ILE:HG22	20	0.12
(2,160)	1:103:A:ILE:H	1:110:A:ILE:HG23	20	0.12
(1,648)	1:40:A:PHE:H	1:29:A:TYR:HA	8	0.12
(1,593)	1:34:A:MET:H	1:34:A:MET:HB2	19	0.12
(1,584)	1:31:A:ARG:H	1:54:A:ILE:HD11	12	0.12
(1,584)	1:31:A:ARG:H	1:54:A:ILE:HD12	12	0.12
(1,584)	1:31:A:ARG:H	1:54:A:ILE:HD13	12	0.12
(1,553)	1:50:A:ASP:HB2	1:50:A:ASP:H	17	0.12
(1,535)	1:51:A:MET:H	1:46:A:SER:HB2	13	0.12
(1,496)	1:60:A:GLU:HB3	1:60:A:GLU:H	9	0.12
(1,485)	1:62:A:ALA:H	1:58:A:GLU:HG3	6	0.12
(1,470)	1:35:A:VAL:HG21	1:32:A:ASP:HB2	11	0.12
(1,470)	1:35:A:VAL:HG22	1:32:A:ASP:HB2	11	0.12
(1,470)	1:35:A:VAL:HG23	1:32:A:ASP:HB2	11	0.12
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	16	0.12
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:28:A:LEU:HA	1:29:A:TYR:HD1	10	0.12
(1,441)	1:28:A:LEU:HA	1:29:A:TYR:HD2	10	0.12
(1,418)	1:35:A:VAL:HG11	1:32:A:ASP:HB2	3	0.12
(1,418)	1:35:A:VAL:HG12	1:32:A:ASP:HB2	3	0.12
(1,418)	1:35:A:VAL:HG13	1:32:A:ASP:HB2	3	0.12
(1,418)	1:35:A:VAL:HG11	1:32:A:ASP:HB2	9	0.12
(1,418)	1:35:A:VAL:HG12	1:32:A:ASP:HB2	9	0.12
(1,418)	1:35:A:VAL:HG13	1:32:A:ASP:HB2	9	0.12
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	9	0.12
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	9	0.12
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	9	0.12
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	17	0.12
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	17	0.12
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	17	0.12
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE1	10	0.12
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE2	10	0.12
(1,407)	1:49:A:MET:HA	1:49:A:MET:HE3	10	0.12
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	20	0.12
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	20	0.12
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	20	0.12
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE1	11	0.12
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE2	11	0.12
(1,400)	1:51:A:MET:HB3	1:51:A:MET:HE3	11	0.12
(1,362)	1:53:A:LEU:HD21	1:32:A:ASP:HB2	5	0.12
(1,362)	1:53:A:LEU:HD22	1:32:A:ASP:HB2	5	0.12
(1,362)	1:53:A:LEU:HD23	1:32:A:ASP:HB2	5	0.12
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	4	0.12
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	11	0.12
(1,315)	1:27:A:ILE:HD11	1:58:A:GLU:HB3	17	0.12
(1,315)	1:27:A:ILE:HD12	1:58:A:GLU:HB3	17	0.12
(1,315)	1:27:A:ILE:HD13	1:58:A:GLU:HB3	17	0.12
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	2	0.12
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	2	0.12
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	2	0.12
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	19	0.12
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	19	0.12
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	19	0.12
(1,263)	1:28:A:LEU:H	1:58:A:GLU:HG3	1	0.12
(1,236)	1:57:A:TYR:H	1:57:A:TYR:HB2	2	0.12
(1,220)	1:39:A:ARG:HD3	1:29:A:TYR:HD1	2	0.12
(1,220)	1:39:A:ARG:HD3	1:29:A:TYR:HD2	2	0.12
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	6	0.12
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	6	0.12
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	10	0.12
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	10	0.12
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	10	0.12
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	3	0.12
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	13	0.12
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	15	0.12
(1,140)	1:60:A:GLU:H	1:59:A:GLU:HA	1	0.12
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	6	0.12
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	4	0.12
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	4	0.12
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	18	0.12
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	18	0.12
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	13	0.12
(1,43)	1:28:A:LEU:HB2	1:29:A:TYR:HD1	10	0.12
(1,43)	1:28:A:LEU:HB2	1:29:A:TYR:HD2	10	0.12
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD1	11	0.12
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD2	11	0.12
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD1	11	0.12
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD2	11	0.12
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD1	11	0.12
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD2	11	0.12
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD1	20	0.12
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD2	20	0.12
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD1	20	0.12
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD2	20	0.12
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD1	20	0.12
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD2	20	0.12
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	4	0.12
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	4	0.12
(1,18)	1:43:A:PRO:HB2	1:30:A:TRP:HH2	6	0.12
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	1	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	1	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	2	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	2	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	3	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	3	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	4	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	4	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	5	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	6	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	6	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	7	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	7	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	9	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	9	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	11	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	11	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	12	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	12	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	13	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	13	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	14	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	14	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	16	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	16	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	18	0.11
(4,103)	1:29:A:TYR:HB2	1:29:A:TYR:HB3	18	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	7	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	7	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	7	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	7	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	7	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	7	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD21	15	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD22	15	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD23	15	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD11	15	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD12	15	0.11
(4,47)	1:128:A:GLY:H	1:138:A:LEU:HD13	15	0.11
(3,156)	1:54:A:ILE:H	1:34:A:MET:HE1	19	0.11
(3,156)	1:54:A:ILE:H	1:34:A:MET:HE2	19	0.11
(3,156)	1:54:A:ILE:H	1:34:A:MET:HE3	19	0.11
(3,154)	1:52:A:PRO:HB2	1:54:A:ILE:H	2	0.11
(3,67)	1:25:A:LYS:HA	1:25:A:LYS:HD2	8	0.11
(3,67)	1:25:A:LYS:HA	1:25:A:LYS:HD3	8	0.11
(3,53)	1:53:A:LEU:HD21	1:54:A:ILE:HB	4	0.11
(3,53)	1:53:A:LEU:HD22	1:54:A:ILE:HB	4	0.11
(3,53)	1:53:A:LEU:HD23	1:54:A:ILE:HB	4	0.11
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD2	13	0.11
(3,44)	1:39:A:ARG:HG2	1:31:A:ARG:HD3	13	0.11
(3,44)	1:39:A:ARG:HG3	1:31:A:ARG:HD3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,35)	1:41:A:ASP:HA	1:42:A:LYS:HG3	3	0.11
(3,35)	1:41:A:ASP:HA	1:42:A:LYS:HG2	3	0.11
(3,27)	1:26:A:ARG:HB2	1:57:A:TYR:HE1	1	0.11
(3,27)	1:26:A:ARG:HB2	1:57:A:TYR:HE2	1	0.11
(3,27)	1:26:A:ARG:HB3	1:57:A:TYR:HE1	1	0.11
(3,27)	1:26:A:ARG:HB3	1:57:A:TYR:HE2	1	0.11
(3,27)	1:26:A:ARG:HB2	1:57:A:TYR:HE1	20	0.11
(3,27)	1:26:A:ARG:HB2	1:57:A:TYR:HE2	20	0.11
(3,27)	1:26:A:ARG:HB3	1:57:A:TYR:HE1	20	0.11
(3,27)	1:26:A:ARG:HB3	1:57:A:TYR:HE2	20	0.11
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD1	6	0.11
(3,21)	1:49:A:MET:H	1:48:A:TYR:HD2	6	0.11
(3,10)	1:62:A:ALA:HB1	1:30:A:TRP:HH2	15	0.11
(3,10)	1:62:A:ALA:HB2	1:30:A:TRP:HH2	15	0.11
(3,10)	1:62:A:ALA:HB3	1:30:A:TRP:HH2	15	0.11
(2,3655)	1:102:A:LEU:H	1:103:A:ILE:HD11	12	0.11
(2,3655)	1:102:A:LEU:H	1:103:A:ILE:HD12	12	0.11
(2,3655)	1:102:A:LEU:H	1:103:A:ILE:HD13	12	0.11
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE1	18	0.11
(2,3651)	1:27:A:ILE:HD11	1:57:A:TYR:HE2	18	0.11
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE1	18	0.11
(2,3651)	1:27:A:ILE:HD12	1:57:A:TYR:HE2	18	0.11
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE1	18	0.11
(2,3651)	1:27:A:ILE:HD13	1:57:A:TYR:HE2	18	0.11
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE1	3	0.11
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE2	3	0.11
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE3	3	0.11
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE1	11	0.11
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE2	11	0.11
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE3	11	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	1	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	1	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	1	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	4	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	4	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	4	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	5	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	5	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	5	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	7	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	7	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	8	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	8	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	8	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	9	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	9	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	9	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	10	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	10	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	10	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	13	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	13	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	13	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	14	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	14	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	14	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	15	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	15	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	15	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	17	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	17	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	17	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	19	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	19	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	19	0.11
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	20	0.11
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	20	0.11
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	20	0.11
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	12	0.11
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	12	0.11
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	12	0.11
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	12	0.11
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	12	0.11
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	12	0.11
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	10	0.11
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	10	0.11
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	10	0.11
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB1	14	0.11
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB2	14	0.11
(2,3556)	1:66:A:ALA:H	1:66:A:ALA:HB3	14	0.11
(2,3553)	1:19:A:ALA:HB1	1:19:A:ALA:H	11	0.11
(2,3553)	1:19:A:ALA:HB2	1:19:A:ALA:H	11	0.11
(2,3553)	1:19:A:ALA:HB3	1:19:A:ALA:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	2	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	2	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	2	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	6	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	6	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	6	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	7	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	7	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	7	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	8	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	8	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	8	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	15	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	15	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	15	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	17	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	17	0.11
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	17	0.11
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE1	19	0.11
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE2	19	0.11
(2,3503)	1:31:A:ARG:HG3	1:51:A:MET:HE3	19	0.11
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE1	19	0.11
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE2	19	0.11
(2,3503)	1:31:A:ARG:HG2	1:51:A:MET:HE3	19	0.11
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE1	7	0.11
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE2	7	0.11
(2,3499)	1:32:A:ASP:HB2	1:51:A:MET:HE3	7	0.11
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE1	6	0.11
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE2	6	0.11
(2,3495)	1:33:A:PRO:HD3	1:51:A:MET:HE3	6	0.11
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE1	14	0.11
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE2	14	0.11
(2,3489)	1:33:A:PRO:HG2	1:51:A:MET:HE3	14	0.11
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG11	7	0.11
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG12	7	0.11
(2,3464)	1:75:A:GLN:H	1:73:A:VAL:HG13	7	0.11
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG21	12	0.11
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG22	12	0.11
(2,3430)	1:73:A:VAL:H	1:73:A:VAL:HG23	12	0.11
(2,3393)	1:74:A:THR:HG21	1:74:A:THR:H	19	0.11
(2,3393)	1:74:A:THR:HG22	1:74:A:THR:H	19	0.11
(2,3393)	1:74:A:THR:HG23	1:74:A:THR:H	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3391)	1:51:A:MET:HB3	1:34:A:MET:HE1	4	0.11
(2,3391)	1:51:A:MET:HB3	1:34:A:MET:HE2	4	0.11
(2,3391)	1:51:A:MET:HB3	1:34:A:MET:HE3	4	0.11
(2,3387)	1:34:A:MET:H	1:34:A:MET:HE1	3	0.11
(2,3387)	1:34:A:MET:H	1:34:A:MET:HE2	3	0.11
(2,3387)	1:34:A:MET:H	1:34:A:MET:HE3	3	0.11
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD21	7	0.11
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD22	7	0.11
(2,3336)	1:103:A:ILE:H	1:102:A:LEU:HD23	7	0.11
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	12	0.11
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	12	0.11
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	12	0.11
(2,3317)	1:109:A:THR:HG21	1:102:A:LEU:HA	19	0.11
(2,3317)	1:109:A:THR:HG22	1:102:A:LEU:HA	19	0.11
(2,3317)	1:109:A:THR:HG23	1:102:A:LEU:HA	19	0.11
(2,3253)	1:86:A:LEU:HD21	1:93:A:GLU:HB3	9	0.11
(2,3253)	1:86:A:LEU:HD22	1:93:A:GLU:HB3	9	0.11
(2,3253)	1:86:A:LEU:HD23	1:93:A:GLU:HB3	9	0.11
(2,3253)	1:86:A:LEU:HD21	1:93:A:GLU:HB2	9	0.11
(2,3253)	1:86:A:LEU:HD22	1:93:A:GLU:HB2	9	0.11
(2,3253)	1:86:A:LEU:HD23	1:93:A:GLU:HB2	9	0.11
(2,3246)	1:85:A:LYS:H	1:85:A:LYS:HG3	8	0.11
(2,3241)	1:85:A:LYS:HD2	1:85:A:LYS:HG2	2	0.11
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	9	0.11
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	9	0.11
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	9	0.11
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	11	0.11
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	11	0.11
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	11	0.11
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	14	0.11
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	14	0.11
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	14	0.11
(2,3226)	1:86:A:LEU:H	1:86:A:LEU:HD11	17	0.11
(2,3226)	1:86:A:LEU:H	1:86:A:LEU:HD12	17	0.11
(2,3226)	1:86:A:LEU:H	1:86:A:LEU:HD13	17	0.11
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG3	5	0.11
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG2	5	0.11
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG3	14	0.11
(2,3220)	1:145:A:GLN:H	1:142:A:LYS:HG2	14	0.11
(2,3203)	1:102:A:LEU:HD11	1:99:A:SER:HA	19	0.11
(2,3203)	1:102:A:LEU:HD12	1:99:A:SER:HA	19	0.11
(2,3203)	1:102:A:LEU:HD13	1:99:A:SER:HA	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3189)	1:138:A:LEU:HD21	1:138:A:LEU:H	18	0.11
(2,3189)	1:138:A:LEU:HD22	1:138:A:LEU:H	18	0.11
(2,3189)	1:138:A:LEU:HD23	1:138:A:LEU:H	18	0.11
(2,3119)	1:26:A:ARG:HG3	1:24:A:GLY:H	18	0.11
(2,3088)	1:162:A:ARG:HD2	1:162:A:ARG:HG3	16	0.11
(2,3088)	1:162:A:ARG:HD3	1:162:A:ARG:HG3	16	0.11
(2,3063)	1:103:A:ILE:HB	1:110:A:ILE:HG13	2	0.11
(2,2951)	1:68:A:ARG:HB3	1:163:A:GLY:H	6	0.11
(2,2950)	1:72:A:ARG:HG3	1:72:A:ARG:HB2	12	0.11
(2,2945)	1:162:A:ARG:HD3	1:162:A:ARG:HB2	13	0.11
(2,2849)	1:168:A:MET:H	1:168:A:MET:HG3	10	0.11
(2,2801)	1:19:A:ALA:HB1	1:22:A:LYS:HB3	8	0.11
(2,2801)	1:19:A:ALA:HB2	1:22:A:LYS:HB3	8	0.11
(2,2801)	1:19:A:ALA:HB3	1:22:A:LYS:HB3	8	0.11
(2,2793)	1:32:A:ASP:HB2	1:35:A:VAL:HB	16	0.11
(2,2784)	1:51:A:MET:H	1:51:A:MET:HG3	5	0.11
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	4	0.11
(2,2766)	1:147:A:VAL:H	1:146:A:GLN:HG3	5	0.11
(2,2755)	1:145:A:GLN:H	1:146:A:GLN:HG2	14	0.11
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	7	0.11
(2,2697)	1:126:A:LYS:HB3	1:139:A:GLU:HB3	14	0.11
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	10	0.11
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	10	0.11
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	10	0.11
(2,2665)	1:42:A:LYS:HB2	1:43:A:PRO:HD2	19	0.11
(2,2663)	1:42:A:LYS:HB3	1:43:A:PRO:HD2	14	0.11
(2,2650)	1:126:A:LYS:HB2	1:125:A:VAL:HB	13	0.11
(2,2620)	1:139:A:GLU:H	1:125:A:VAL:HB	10	0.11
(2,2620)	1:139:A:GLU:H	1:125:A:VAL:HB	15	0.11
(2,2620)	1:139:A:GLU:H	1:125:A:VAL:HB	17	0.11
(2,2606)	1:140:A:GLY:HA3	1:125:A:VAL:HB	1	0.11
(2,2587)	1:143:A:ALA:H	1:142:A:LYS:HB3	18	0.11
(2,2583)	1:115:A:LYS:HD3	1:117:A:GLU:HG3	3	0.11
(2,2583)	1:115:A:LYS:HD2	1:117:A:GLU:HG3	3	0.11
(2,2517)	1:125:A:VAL:H	1:124:A:GLU:HG2	5	0.11
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	8	0.11
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	18	0.11
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	1	0.11
(2,2481)	1:69:A:ILE:HB	1:71:A:GLY:HA2	16	0.11
(2,2470)	1:69:A:ILE:HB	1:72:A:ARG:HG2	14	0.11
(2,2458)	1:76:A:ASN:H	1:76:A:ASN:HB3	2	0.11
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2449)	1:50:A:ASP:HB3	1:45:A:LYS:HG3	15	0.11
(2,2401)	1:35:A:VAL:HG21	1:48:A:TYR:HB3	3	0.11
(2,2401)	1:35:A:VAL:HG22	1:48:A:TYR:HB3	3	0.11
(2,2401)	1:35:A:VAL:HG23	1:48:A:TYR:HB3	3	0.11
(2,2355)	1:32:A:ASP:HB3	1:48:A:TYR:HD1	11	0.11
(2,2355)	1:32:A:ASP:HB3	1:48:A:TYR:HD2	11	0.11
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG21	1	0.11
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG22	1	0.11
(2,2340)	1:95:A:LEU:HB3	1:84:A:VAL:HG23	1	0.11
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE2	12	0.11
(2,2317)	1:85:A:LYS:HA	1:85:A:LYS:HE3	12	0.11
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	9	0.11
(2,2312)	1:21:A:LEU:HB2	1:26:A:ARG:HG3	11	0.11
(2,2311)	1:110:A:ILE:HB	1:108:A:ARG:HG3	4	0.11
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD3	11	0.11
(2,2257)	1:88:A:ARG:HA	1:88:A:ARG:HD2	11	0.11
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD3	17	0.11
(2,2254)	1:93:A:GLU:HB2	1:88:A:ARG:HD2	17	0.11
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD3	17	0.11
(2,2254)	1:93:A:GLU:HB3	1:88:A:ARG:HD2	17	0.11
(2,2241)	1:168:A:MET:H	1:167:A:ARG:HD3	4	0.11
(2,2241)	1:168:A:MET:H	1:167:A:ARG:HD2	4	0.11
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD2	2	0.11
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD3	2	0.11
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD2	20	0.11
(2,2228)	1:108:A:ARG:HA	1:108:A:ARG:HD3	20	0.11
(2,2217)	1:95:A:LEU:H	1:94:A:ARG:HD2	17	0.11
(2,2205)	1:121:A:ASP:HB3	1:115:A:LYS:HD3	14	0.11
(2,2198)	1:29:A:TYR:HE1	1:31:A:ARG:HD2	11	0.11
(2,2198)	1:29:A:TYR:HE2	1:31:A:ARG:HD2	11	0.11
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	6	0.11
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	6	0.11
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	6	0.11
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	10	0.11
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	10	0.11
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	10	0.11
(2,2181)	1:128:A:GLY:HA2	1:138:A:LEU:HD21	11	0.11
(2,2181)	1:128:A:GLY:HA2	1:138:A:LEU:HD22	11	0.11
(2,2181)	1:128:A:GLY:HA2	1:138:A:LEU:HD23	11	0.11
(2,2181)	1:128:A:GLY:HA2	1:138:A:LEU:HD11	11	0.11
(2,2181)	1:128:A:GLY:HA2	1:138:A:LEU:HD12	11	0.11
(2,2181)	1:128:A:GLY:HA2	1:138:A:LEU:HD13	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2122)	1:78:A:GLY:HA2	1:76:A:ASN:HB2	11	0.11
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	2	0.11
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	2	0.11
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	2	0.11
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB1	3	0.11
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB2	3	0.11
(2,2115)	1:64:A:GLY:HA3	1:65:A:ALA:HB3	3	0.11
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB1	17	0.11
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB2	17	0.11
(2,2113)	1:64:A:GLY:HA2	1:65:A:ALA:HB3	17	0.11
(2,2104)	1:24:A:GLY:HA2	1:24:A:GLY:H	16	0.11
(2,2034)	1:111:A:ALA:HA	1:147:A:VAL:HB	9	0.11
(2,2034)	1:111:A:ALA:HA	1:147:A:VAL:HB	11	0.11
(2,2011)	1:110:A:ILE:HG21	1:122:A:PRO:HD3	11	0.11
(2,2011)	1:110:A:ILE:HG22	1:122:A:PRO:HD3	11	0.11
(2,2011)	1:110:A:ILE:HG23	1:122:A:PRO:HD3	11	0.11
(2,1987)	1:52:A:PRO:HD2	1:52:A:PRO:HG3	11	0.11
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG2	15	0.11
(2,1949)	1:107:A:ALA:HA	1:108:A:ARG:HG3	15	0.11
(2,1943)	1:27:A:ILE:HB	1:62:A:ALA:HA	10	0.11
(2,1943)	1:27:A:ILE:HB	1:62:A:ALA:HA	19	0.11
(2,1938)	1:67:A:VAL:HG11	1:66:A:ALA:HA	10	0.11
(2,1938)	1:67:A:VAL:HG12	1:66:A:ALA:HA	10	0.11
(2,1938)	1:67:A:VAL:HG13	1:66:A:ALA:HA	10	0.11
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	12	0.11
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	13	0.11
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	15	0.11
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	16	0.11
(2,1848)	1:83:A:GLU:H	1:146:A:GLN:HA	6	0.11
(2,1848)	1:83:A:GLU:H	1:146:A:GLN:HA	7	0.11
(2,1841)	1:145:A:GLN:H	1:146:A:GLN:HA	4	0.11
(2,1807)	1:104:A:ARG:HA	1:104:A:ARG:HD3	4	0.11
(2,1807)	1:104:A:ARG:HA	1:104:A:ARG:HD2	4	0.11
(2,1807)	1:104:A:ARG:HA	1:104:A:ARG:HD3	12	0.11
(2,1807)	1:104:A:ARG:HA	1:104:A:ARG:HD2	12	0.11
(2,1804)	1:104:A:ARG:HA	1:110:A:ILE:H	19	0.11
(2,1786)	1:25:A:LYS:HA	1:26:A:ARG:H	9	0.11
(2,1784)	1:68:A:ARG:HA	1:68:A:ARG:HB3	2	0.11
(2,1783)	1:68:A:ARG:HA	1:69:A:ILE:H	10	0.11
(2,1765)	1:168:A:MET:H	1:167:A:ARG:HA	18	0.11
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	9	0.11
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1737)	1:26:A:ARG:HG2	1:58:A:GLU:HA	16	0.11
(2,1730)	1:21:A:LEU:H	1:20:A:GLU:HA	17	0.11
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	2	0.11
(2,1725)	1:117:A:GLU:HG2	1:117:A:GLU:HA	16	0.11
(2,1717)	1:88:A:ARG:HB3	1:93:A:GLU:HA	14	0.11
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	1	0.11
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	1	0.11
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	20	0.11
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	20	0.11
(2,1558)	1:159:A:ALA:HB1	1:157:A:SER:HA	8	0.11
(2,1558)	1:159:A:ALA:HB2	1:157:A:SER:HA	8	0.11
(2,1558)	1:159:A:ALA:HB3	1:157:A:SER:HA	8	0.11
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	5	0.11
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	5	0.11
(2,1513)	1:92:A:THR:HA	1:93:A:GLU:HG2	18	0.11
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	4	0.11
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	6	0.11
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	14	0.11
(2,1504)	1:171:A:THR:HB	1:171:A:THR:HA	17	0.11
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	4	0.11
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	4	0.11
(2,1479)	1:24:A:GLY:HA3	1:23:A:THR:HA	11	0.11
(2,1479)	1:24:A:GLY:HA2	1:23:A:THR:HA	11	0.11
(2,1433)	1:162:A:ARG:HG3	1:164:A:THR:HA	7	0.11
(2,1390)	1:148:A:VAL:HA	1:81:A:THR:HB	7	0.11
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	10	0.11
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	18	0.11
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	18	0.11
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	18	0.11
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	10	0.11
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	10	0.11
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	10	0.11
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	14	0.11
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	14	0.11
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	14	0.11
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	20	0.11
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	20	0.11
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	20	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	1	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	1	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	1	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	6	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	6	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	10	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	10	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	10	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	11	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	11	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	11	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	14	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	14	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	14	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	16	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	16	0.11
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	16	0.11
(2,1314)	1:134:A:GLN:H	1:130:A:THR:HB	1	0.11
(2,1313)	1:136:A:GLU:H	1:130:A:THR:HB	20	0.11
(2,1309)	1:131:A:ALA:H	1:130:A:THR:HB	5	0.11
(2,1299)	1:53:A:LEU:HD21	1:44:A:GLY:H	9	0.11
(2,1299)	1:53:A:LEU:HD22	1:44:A:GLY:H	9	0.11
(2,1299)	1:53:A:LEU:HD23	1:44:A:GLY:H	9	0.11
(2,1283)	1:119:A:GLY:H	1:115:A:LYS:HD3	20	0.11
(2,1283)	1:119:A:GLY:H	1:115:A:LYS:HD2	20	0.11
(2,1262)	1:119:A:GLY:H	1:117:A:GLU:HB3	13	0.11
(2,1257)	1:118:A:GLY:H	1:117:A:GLU:HG3	14	0.11
(2,1255)	1:119:A:GLY:H	1:118:A:GLY:HA2	2	0.11
(2,1215)	1:140:A:GLY:H	1:141:A:LEU:HA	3	0.11
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD11	2	0.11
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD12	2	0.11
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD13	2	0.11
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD11	5	0.11
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD12	5	0.11
(2,1210)	1:128:A:GLY:H	1:137:A:ILE:HD13	5	0.11
(2,1162)	1:48:A:TYR:HB3	1:49:A:MET:H	3	0.11
(2,1111)	1:149:A:VAL:HG21	1:81:A:THR:H	18	0.11
(2,1111)	1:149:A:VAL:HG22	1:81:A:THR:H	18	0.11
(2,1111)	1:149:A:VAL:HG23	1:81:A:THR:H	18	0.11
(2,1109)	1:80:A:ARG:HG3	1:81:A:THR:H	8	0.11
(2,1070)	1:123:A:VAL:HB	1:141:A:LEU:H	12	0.11
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	6	0.11
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	6	0.11
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	6	0.11
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	6	0.11
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	6	0.11
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	7	0.11
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	7	0.11
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	7	0.11
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	7	0.11
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	7	0.11
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	7	0.11
(2,1027)	1:138:A:LEU:HD11	1:139:A:GLU:H	19	0.11
(2,1027)	1:138:A:LEU:HD12	1:139:A:GLU:H	19	0.11
(2,1027)	1:138:A:LEU:HD13	1:139:A:GLU:H	19	0.11
(2,1027)	1:138:A:LEU:HD21	1:139:A:GLU:H	19	0.11
(2,1027)	1:138:A:LEU:HD22	1:139:A:GLU:H	19	0.11
(2,1027)	1:138:A:LEU:HD23	1:139:A:GLU:H	19	0.11
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	3	0.11
(2,1019)	1:139:A:GLU:H	1:125:A:VAL:HB	19	0.11
(2,1007)	1:127:A:ALA:H	1:139:A:GLU:H	12	0.11
(2,977)	1:96:A:LEU:HD11	1:135:A:SER:H	10	0.11
(2,977)	1:96:A:LEU:HD12	1:135:A:SER:H	10	0.11
(2,977)	1:96:A:LEU:HD13	1:135:A:SER:H	10	0.11
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	2	0.11
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	6	0.11
(2,903)	1:74:A:THR:H	1:73:A:VAL:HB	8	0.11
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	11	0.11
(2,887)	1:108:A:ARG:H	1:106:A:GLY:H	18	0.11
(2,876)	1:125:A:VAL:H	1:110:A:ILE:HD11	19	0.11
(2,876)	1:125:A:VAL:H	1:110:A:ILE:HD12	19	0.11
(2,876)	1:125:A:VAL:H	1:110:A:ILE:HD13	19	0.11
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB1	19	0.11
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB2	19	0.11
(2,873)	1:125:A:VAL:H	1:127:A:ALA:HB3	19	0.11
(2,789)	1:96:A:LEU:HD21	1:88:A:ARG:H	7	0.11
(2,789)	1:96:A:LEU:HD22	1:88:A:ARG:H	7	0.11
(2,789)	1:96:A:LEU:HD23	1:88:A:ARG:H	7	0.11
(2,789)	1:96:A:LEU:HD21	1:88:A:ARG:H	12	0.11
(2,789)	1:96:A:LEU:HD22	1:88:A:ARG:H	12	0.11
(2,789)	1:96:A:LEU:HD23	1:88:A:ARG:H	12	0.11
(2,788)	1:86:A:LEU:HD21	1:88:A:ARG:H	14	0.11
(2,788)	1:86:A:LEU:HD22	1:88:A:ARG:H	14	0.11
(2,788)	1:86:A:LEU:HD23	1:88:A:ARG:H	14	0.11
(2,788)	1:86:A:LEU:HD21	1:88:A:ARG:H	18	0.11
(2,788)	1:86:A:LEU:HD22	1:88:A:ARG:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,788)	1:86:A:LEU:HD23	1:88:A:ARG:H	18	0.11
(2,782)	1:88:A:ARG:H	1:88:A:ARG:HD3	10	0.11
(2,782)	1:88:A:ARG:H	1:88:A:ARG:HD2	10	0.11
(2,782)	1:88:A:ARG:H	1:88:A:ARG:HD3	20	0.11
(2,782)	1:88:A:ARG:H	1:88:A:ARG:HD2	20	0.11
(2,763)	1:146:A:GLN:HB3	1:146:A:GLN:H	18	0.11
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD11	7	0.11
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD12	7	0.11
(2,734)	1:146:A:GLN:H	1:141:A:LEU:HD13	7	0.11
(2,716)	1:98:A:PRO:HG3	1:101:A:ALA:H	4	0.11
(2,715)	1:102:A:LEU:HB3	1:101:A:ALA:H	8	0.11
(2,710)	1:166:A:ALA:HB1	1:167:A:ARG:H	11	0.11
(2,710)	1:166:A:ALA:HB2	1:167:A:ARG:H	11	0.11
(2,710)	1:166:A:ALA:HB3	1:167:A:ARG:H	11	0.11
(2,687)	1:62:A:ALA:H	1:61:A:ASN:H	6	0.11
(2,654)	1:97:A:VAL:HG21	1:100:A:GLU:H	12	0.11
(2,654)	1:97:A:VAL:HG22	1:100:A:GLU:H	12	0.11
(2,654)	1:97:A:VAL:HG23	1:100:A:GLU:H	12	0.11
(2,653)	1:149:A:VAL:HG11	1:100:A:GLU:H	5	0.11
(2,653)	1:149:A:VAL:HG12	1:100:A:GLU:H	5	0.11
(2,653)	1:149:A:VAL:HG13	1:100:A:GLU:H	5	0.11
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	17	0.11
(2,611)	1:51:A:MET:H	1:46:A:SER:HA	2	0.11
(2,610)	1:51:A:MET:H	1:45:A:LYS:HA	6	0.11
(2,610)	1:51:A:MET:H	1:45:A:LYS:HA	10	0.11
(2,602)	1:69:A:ILE:HA	1:72:A:ARG:H	10	0.11
(2,585)	1:40:A:PHE:H	1:31:A:ARG:H	7	0.11
(2,579)	1:35:A:VAL:H	1:35:A:VAL:HB	18	0.11
(2,528)	1:175:A:LEU:H	1:174:A:GLY:HA2	8	0.11
(2,528)	1:175:A:LEU:H	1:174:A:GLY:HA2	15	0.11
(2,518)	1:137:A:ILE:HB	1:95:A:LEU:H	10	0.11
(2,511)	1:168:A:MET:H	1:168:A:MET:HE1	16	0.11
(2,511)	1:168:A:MET:H	1:168:A:MET:HE2	16	0.11
(2,511)	1:168:A:MET:H	1:168:A:MET:HE3	16	0.11
(2,508)	1:168:A:MET:H	1:167:A:ARG:HA	11	0.11
(2,453)	1:135:A:SER:HB2	1:99:A:SER:H	10	0.11
(2,452)	1:60:A:GLU:HB2	1:60:A:GLU:H	14	0.11
(2,444)	1:60:A:GLU:HA	1:60:A:GLU:H	6	0.11
(2,444)	1:60:A:GLU:HA	1:60:A:GLU:H	8	0.11
(2,424)	1:77:A:LEU:H	1:76:A:ASN:HA	1	0.11
(2,423)	1:76:A:ASN:H	1:77:A:LEU:H	14	0.11
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,420)	1:77:A:LEU:HA	1:77:A:LEU:H	19	0.11
(2,377)	1:75:A:GLN:H	1:75:A:GLN:HB2	13	0.11
(2,362)	1:86:A:LEU:H	1:143:A:ALA:HA	2	0.11
(2,362)	1:86:A:LEU:H	1:143:A:ALA:HA	16	0.11
(2,361)	1:86:A:LEU:H	1:84:A:VAL:HA	3	0.11
(2,349)	1:113:A:VAL:HB	1:121:A:ASP:H	16	0.11
(2,346)	1:121:A:ASP:H	1:119:A:GLY:HA3	15	0.11
(2,321)	1:63:A:ASP:HA	1:69:A:ILE:H	13	0.11
(2,321)	1:63:A:ASP:HA	1:69:A:ILE:H	13	0.11
(2,280)	1:67:A:VAL:HG11	1:65:A:ALA:H	18	0.11
(2,280)	1:67:A:VAL:HG12	1:65:A:ALA:H	18	0.11
(2,280)	1:67:A:VAL:HG13	1:65:A:ALA:H	18	0.11
(2,280)	1:67:A:VAL:HG21	1:65:A:ALA:H	18	0.11
(2,280)	1:67:A:VAL:HG22	1:65:A:ALA:H	18	0.11
(2,280)	1:67:A:VAL:HG23	1:65:A:ALA:H	18	0.11
(2,274)	1:65:A:ALA:H	1:64:A:GLY:H	10	0.11
(2,274)	1:65:A:ALA:H	1:64:A:GLY:H	15	0.11
(2,273)	1:19:A:ALA:HB1	1:21:A:LEU:H	20	0.11
(2,273)	1:19:A:ALA:HB2	1:21:A:LEU:H	20	0.11
(2,273)	1:19:A:ALA:HB3	1:21:A:LEU:H	20	0.11
(2,248)	1:111:A:ALA:H	1:124:A:GLU:H	3	0.11
(2,240)	1:93:A:GLU:HB3	1:94:A:ARG:H	16	0.11
(2,232)	1:70:A:ASP:H	1:69:A:ILE:HB	17	0.11
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB1	4	0.11
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB2	4	0.11
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB3	4	0.11
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB1	6	0.11
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB2	6	0.11
(2,207)	1:62:A:ALA:H	1:62:A:ALA:HB3	6	0.11
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	16	0.11
(2,192)	1:57:A:TYR:H	1:25:A:LYS:HA	16	0.11
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD21	4	0.11
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD22	4	0.11
(2,161)	1:103:A:ILE:H	1:102:A:LEU:HD23	4	0.11
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	13	0.11
(1,599)	1:46:A:SER:HB2	1:49:A:MET:H	7	0.11
(1,598)	1:46:A:SER:HA	1:49:A:MET:H	3	0.11
(1,598)	1:46:A:SER:HA	1:49:A:MET:H	9	0.11
(1,593)	1:34:A:MET:H	1:34:A:MET:HB2	2	0.11
(1,593)	1:34:A:MET:H	1:34:A:MET:HB2	6	0.11
(1,554)	1:50:A:ASP:H	1:49:A:MET:HE1	18	0.11
(1,554)	1:50:A:ASP:H	1:49:A:MET:HE2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:50:A:ASP:H	1:49:A:MET:HE3	18	0.11
(1,554)	1:50:A:ASP:H	1:49:A:MET:HE1	20	0.11
(1,554)	1:50:A:ASP:H	1:49:A:MET:HE2	20	0.11
(1,554)	1:50:A:ASP:H	1:49:A:MET:HE3	20	0.11
(1,445)	1:35:A:VAL:HG11	1:32:A:ASP:HA	3	0.11
(1,445)	1:35:A:VAL:HG12	1:32:A:ASP:HA	3	0.11
(1,445)	1:35:A:VAL:HG13	1:32:A:ASP:HA	3	0.11
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	17	0.11
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	17	0.11
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	19	0.11
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	19	0.11
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	20	0.11
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	20	0.11
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	1	0.11
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	1	0.11
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	1	0.11
(1,417)	1:35:A:VAL:HG11	1:48:A:TYR:HB3	5	0.11
(1,417)	1:35:A:VAL:HG12	1:48:A:TYR:HB3	5	0.11
(1,417)	1:35:A:VAL:HG13	1:48:A:TYR:HB3	5	0.11
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE1	6	0.11
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE2	6	0.11
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE3	6	0.11
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE1	6	0.11
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE2	6	0.11
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE3	6	0.11
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE1	6	0.11
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE2	6	0.11
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE3	6	0.11
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE1	19	0.11
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE2	19	0.11
(1,412)	1:35:A:VAL:HG11	1:49:A:MET:HE3	19	0.11
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE1	19	0.11
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE2	19	0.11
(1,412)	1:35:A:VAL:HG12	1:49:A:MET:HE3	19	0.11
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE1	19	0.11
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE2	19	0.11
(1,412)	1:35:A:VAL:HG13	1:49:A:MET:HE3	19	0.11
(1,382)	1:56:A:VAL:HG11	1:31:A:ARG:HD3	8	0.11
(1,382)	1:56:A:VAL:HG12	1:31:A:ARG:HD3	8	0.11
(1,382)	1:56:A:VAL:HG13	1:31:A:ARG:HD3	8	0.11
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	10	0.11
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:52:A:PRO:HD2	1:51:A:MET:HB3	8	0.11
(1,282)	1:52:A:PRO:HD2	1:51:A:MET:HB3	14	0.11
(1,236)	1:57:A:TYR:H	1:57:A:TYR:HB2	1	0.11
(1,220)	1:39:A:ARG:HD3	1:29:A:TYR:HD1	6	0.11
(1,220)	1:39:A:ARG:HD3	1:29:A:TYR:HD2	6	0.11
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	8	0.11
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	8	0.11
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	8	0.11
(1,181)	1:50:A:ASP:HA	1:45:A:LYS:HG3	10	0.11
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	12	0.11
(1,131)	1:61:A:ASN:H	1:60:A:GLU:HA	18	0.11
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	1	0.11
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	1	0.11
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD1	12	0.11
(1,129)	1:29:A:TYR:HA	1:29:A:TYR:HD2	12	0.11
(1,80)	1:49:A:MET:H	1:47:A:PRO:HA	9	0.11
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	14	0.11
(1,77)	1:32:A:ASP:HB3	1:36:A:PRO:HA	15	0.11
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE1	8	0.11
(1,60)	1:38:A:GLN:HB3	1:48:A:TYR:HE2	8	0.11
(1,45)	1:35:A:VAL:HB	1:48:A:TYR:HD1	19	0.11
(1,45)	1:35:A:VAL:HB	1:48:A:TYR:HD2	19	0.11
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD1	15	0.11
(1,41)	1:27:A:ILE:HD11	1:57:A:TYR:HD2	15	0.11
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD1	15	0.11
(1,41)	1:27:A:ILE:HD12	1:57:A:TYR:HD2	15	0.11
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD1	15	0.11
(1,41)	1:27:A:ILE:HD13	1:57:A:TYR:HD2	15	0.11
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	8	0.11
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	8	0.11
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	20	0.11
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	20	0.11
(1,33)	1:29:A:TYR:HA	1:29:A:TYR:HE1	8	0.11
(1,33)	1:29:A:TYR:HA	1:29:A:TYR:HE2	8	0.11
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE1	13	0.11
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE2	13	0.11
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE1	15	0.11
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE2	15	0.11
(3,151)	1:53:A:LEU:HD21	1:49:A:MET:H	9	0.1
(3,151)	1:53:A:LEU:HD22	1:49:A:MET:H	9	0.1
(3,151)	1:53:A:LEU:HD23	1:49:A:MET:H	9	0.1
(3,118)	1:46:A:SER:H	1:51:A:MET:HB2	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG3	5	0.1
(3,34)	1:38:A:GLN:HA	1:38:A:GLN:HG2	5	0.1
(3,16)	1:39:A:ARG:HG3	1:29:A:TYR:HE1	12	0.1
(3,16)	1:39:A:ARG:HG3	1:29:A:TYR:HE2	12	0.1
(3,16)	1:39:A:ARG:HG2	1:29:A:TYR:HE1	12	0.1
(3,16)	1:39:A:ARG:HG2	1:29:A:TYR:HE2	12	0.1
(2,3649)	1:27:A:ILE:HD11	1:30:A:TRP:HH2	14	0.1
(2,3649)	1:27:A:ILE:HD12	1:30:A:TRP:HH2	14	0.1
(2,3649)	1:27:A:ILE:HD13	1:30:A:TRP:HH2	14	0.1
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE1	20	0.1
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE2	20	0.1
(2,3642)	1:147:A:VAL:HB	1:112:A:MET:HE3	20	0.1
(2,3639)	1:137:A:ILE:HG21	1:137:A:ILE:HG12	11	0.1
(2,3639)	1:137:A:ILE:HG22	1:137:A:ILE:HG12	11	0.1
(2,3639)	1:137:A:ILE:HG23	1:137:A:ILE:HG12	11	0.1
(2,3625)	1:167:A:ARG:HA	1:168:A:MET:HE1	7	0.1
(2,3625)	1:167:A:ARG:HA	1:168:A:MET:HE2	7	0.1
(2,3625)	1:167:A:ARG:HA	1:168:A:MET:HE3	7	0.1
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB2	2	0.1
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB2	2	0.1
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB2	2	0.1
(2,3563)	1:62:A:ALA:HB1	1:63:A:ASP:HB3	2	0.1
(2,3563)	1:62:A:ALA:HB2	1:63:A:ASP:HB3	2	0.1
(2,3563)	1:62:A:ALA:HB3	1:63:A:ASP:HB3	2	0.1
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB1	1	0.1
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB2	1	0.1
(2,3554)	1:62:A:ALA:H	1:62:A:ALA:HB3	1	0.1
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	11	0.1
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	11	0.1
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	11	0.1
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	14	0.1
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	14	0.1
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	14	0.1
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB1	20	0.1
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB2	20	0.1
(2,3539)	1:129:A:ALA:H	1:129:A:ALA:HB3	20	0.1
(2,3518)	1:49:A:MET:HA	1:49:A:MET:HE1	19	0.1
(2,3518)	1:49:A:MET:HA	1:49:A:MET:HE2	19	0.1
(2,3518)	1:49:A:MET:HA	1:49:A:MET:HE3	19	0.1
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD21	14	0.1
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD22	14	0.1
(2,3337)	1:110:A:ILE:H	1:102:A:LEU:HD23	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD11	9	0.1
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD12	9	0.1
(2,3260)	1:136:A:GLU:HG3	1:96:A:LEU:HD13	9	0.1
(2,3258)	1:96:A:LEU:HD11	1:98:A:PRO:HA	12	0.1
(2,3258)	1:96:A:LEU:HD12	1:98:A:PRO:HA	12	0.1
(2,3258)	1:96:A:LEU:HD13	1:98:A:PRO:HA	12	0.1
(2,3240)	1:85:A:LYS:HA	1:85:A:LYS:HG2	16	0.1
(2,3240)	1:85:A:LYS:HA	1:85:A:LYS:HG2	18	0.1
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	4	0.1
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	4	0.1
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	4	0.1
(2,3228)	1:86:A:LEU:HD11	1:86:A:LEU:HB2	7	0.1
(2,3228)	1:86:A:LEU:HD12	1:86:A:LEU:HB2	7	0.1
(2,3228)	1:86:A:LEU:HD13	1:86:A:LEU:HB2	7	0.1
(2,3213)	1:126:A:LYS:HG2	1:94:A:ARG:HD3	14	0.1
(2,3172)	1:96:A:LEU:HD21	1:97:A:VAL:H	8	0.1
(2,3172)	1:96:A:LEU:HD22	1:97:A:VAL:H	8	0.1
(2,3172)	1:96:A:LEU:HD23	1:97:A:VAL:H	8	0.1
(2,3089)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	8	0.1
(2,3006)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	1	0.1
(2,3006)	1:126:A:LYS:HD3	1:126:A:LYS:HG3	5	0.1
(2,2947)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	2	0.1
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	11	0.1
(2,2904)	1:144:A:GLY:H	1:83:A:GLU:HB3	20	0.1
(2,2822)	1:80:A:ARG:H	1:80:A:ARG:HB2	14	0.1
(2,2796)	1:22:A:LYS:H	1:22:A:LYS:HB3	6	0.1
(2,2796)	1:22:A:LYS:H	1:22:A:LYS:HB3	15	0.1
(2,2780)	1:51:A:MET:H	1:49:A:MET:HG2	1	0.1
(2,2671)	1:35:A:VAL:HG21	1:34:A:MET:HB3	7	0.1
(2,2671)	1:35:A:VAL:HG22	1:34:A:MET:HB3	7	0.1
(2,2671)	1:35:A:VAL:HG23	1:34:A:MET:HB3	7	0.1
(2,2665)	1:42:A:LYS:HB2	1:43:A:PRO:HD2	1	0.1
(2,2663)	1:42:A:LYS:HB3	1:43:A:PRO:HD2	8	0.1
(2,2650)	1:126:A:LYS:HB2	1:125:A:VAL:HB	20	0.1
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD11	17	0.1
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD12	17	0.1
(2,2522)	1:124:A:GLU:HG2	1:110:A:ILE:HD13	17	0.1
(2,2517)	1:125:A:VAL:H	1:124:A:GLU:HG2	2	0.1
(2,2514)	1:110:A:ILE:HA	1:124:A:GLU:HG2	9	0.1
(2,2506)	1:88:A:ARG:HG3	1:93:A:GLU:HG3	13	0.1
(2,2460)	1:77:A:LEU:H	1:76:A:ASN:HB3	5	0.1
(2,2443)	1:26:A:ARG:HA	1:27:A:ILE:HB	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2409)	1:57:A:TYR:HB2	1:25:A:LYS:HD3	15	0.1
(2,2409)	1:57:A:TYR:HB2	1:25:A:LYS:HD2	15	0.1
(2,2248)	1:89:A:LEU:H	1:88:A:ARG:HD2	9	0.1
(2,2248)	1:89:A:LEU:H	1:88:A:ARG:HD3	9	0.1
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD2	8	0.1
(2,2229)	1:124:A:GLU:HG2	1:108:A:ARG:HD3	8	0.1
(2,2210)	1:121:A:ASP:HB2	1:122:A:PRO:HD3	20	0.1
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	5	0.1
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	5	0.1
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	5	0.1
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB1	18	0.1
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB2	18	0.1
(2,2194)	1:128:A:GLY:HA3	1:129:A:ALA:HB3	18	0.1
(2,2165)	1:119:A:GLY:H	1:118:A:GLY:HA2	20	0.1
(2,2044)	1:43:A:PRO:HD2	1:43:A:PRO:HD3	6	0.1
(2,2044)	1:43:A:PRO:HD2	1:43:A:PRO:HD3	14	0.1
(2,2044)	1:43:A:PRO:HD2	1:43:A:PRO:HD3	17	0.1
(2,2034)	1:111:A:ALA:HA	1:147:A:VAL:HB	4	0.1
(2,2034)	1:111:A:ALA:HA	1:147:A:VAL:HB	14	0.1
(2,2032)	1:110:A:ILE:HG21	1:111:A:ALA:HA	10	0.1
(2,2032)	1:110:A:ILE:HG22	1:111:A:ALA:HA	10	0.1
(2,2032)	1:110:A:ILE:HG23	1:111:A:ALA:HA	10	0.1
(2,1938)	1:67:A:VAL:HG11	1:66:A:ALA:HA	5	0.1
(2,1938)	1:67:A:VAL:HG12	1:66:A:ALA:HA	5	0.1
(2,1938)	1:67:A:VAL:HG13	1:66:A:ALA:HA	5	0.1
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	2	0.1
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	4	0.1
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	10	0.1
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	11	0.1
(2,1919)	1:130:A:THR:HA	1:131:A:ALA:HA	14	0.1
(2,1887)	1:94:A:ARG:HA	1:94:A:ARG:HD2	7	0.1
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG21	13	0.1
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG22	13	0.1
(2,1857)	1:70:A:ASP:HA	1:69:A:ILE:HG23	13	0.1
(2,1840)	1:38:A:GLN:HA	1:38:A:GLN:HG3	18	0.1
(2,1840)	1:38:A:GLN:HA	1:38:A:GLN:HG2	18	0.1
(2,1835)	1:63:A:ASP:HA	1:64:A:GLY:H	18	0.1
(2,1791)	1:108:A:ARG:HA	1:109:A:THR:H	11	0.1
(2,1730)	1:21:A:LEU:H	1:20:A:GLU:HA	16	0.1
(2,1717)	1:88:A:ARG:HB3	1:93:A:GLU:HA	18	0.1
(2,1599)	1:110:A:ILE:HA	1:124:A:GLU:HG2	3	0.1
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB3	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1596)	1:173:A:SER:HA	1:173:A:SER:HB2	19	0.1
(2,1580)	1:108:A:ARG:H	1:105:A:THR:HA	19	0.1
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB2	7	0.1
(2,1539)	1:69:A:ILE:HA	1:70:A:ASP:HB3	7	0.1
(2,1515)	1:88:A:ARG:HG2	1:92:A:THR:HA	6	0.1
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	2	0.1
(2,1434)	1:74:A:THR:HA	1:72:A:ARG:HG3	15	0.1
(2,1390)	1:148:A:VAL:HA	1:81:A:THR:HB	12	0.1
(2,1390)	1:148:A:VAL:HA	1:81:A:THR:HB	20	0.1
(2,1385)	1:148:A:VAL:HA	1:150:A:SER:H	14	0.1
(2,1378)	1:36:A:PRO:HA	1:36:A:PRO:HB2	6	0.1
(2,1354)	1:102:A:LEU:HD11	1:135:A:SER:HB3	19	0.1
(2,1354)	1:102:A:LEU:HD12	1:135:A:SER:HB3	19	0.1
(2,1354)	1:102:A:LEU:HD13	1:135:A:SER:HB3	19	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	1	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	1	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	1	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	3	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	3	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	3	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	4	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	4	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	4	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	5	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	5	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	5	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	6	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	6	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	6	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	7	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	7	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	7	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	9	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	9	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	9	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	11	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	11	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	11	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	12	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	12	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	12	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	13	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	13	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	15	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	15	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	15	0.1
(2,1334)	1:74:A:THR:HG21	1:74:A:THR:HB	18	0.1
(2,1334)	1:74:A:THR:HG22	1:74:A:THR:HB	18	0.1
(2,1334)	1:74:A:THR:HG23	1:74:A:THR:HB	18	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	2	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	2	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	2	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	3	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	3	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	3	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	4	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	4	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	4	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	5	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	5	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	5	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	7	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	7	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	7	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	8	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	8	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	8	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	9	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	9	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	9	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	13	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	13	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	13	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	15	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	15	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	15	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	18	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	18	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	18	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG21	19	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG22	19	0.1
(2,1333)	1:164:A:THR:HB	1:164:A:THR:HG23	19	0.1
(2,1327)	1:173:A:SER:H	1:172:A:THR:HB	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1327)	1:173:A:SER:H	1:172:A:THR:HB	14	0.1
(2,1313)	1:136:A:GLU:H	1:130:A:THR:HB	19	0.1
(2,1309)	1:131:A:ALA:H	1:130:A:THR:HB	3	0.1
(2,1288)	1:120:A:PHE:HB3	1:119:A:GLY:H	9	0.1
(2,1288)	1:120:A:PHE:HB2	1:119:A:GLY:H	9	0.1
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB3	20	0.1
(2,1238)	1:64:A:GLY:H	1:63:A:ASP:HB2	20	0.1
(2,1237)	1:61:A:ASN:HB2	1:64:A:GLY:H	2	0.1
(2,1215)	1:140:A:GLY:H	1:141:A:LEU:HA	8	0.1
(2,1197)	1:84:A:VAL:HB	1:144:A:GLY:H	18	0.1
(2,1142)	1:134:A:GLN:HA	1:97:A:VAL:H	14	0.1
(2,1015)	1:137:A:ILE:HA	1:139:A:GLU:H	12	0.1
(2,1007)	1:127:A:ALA:H	1:139:A:GLU:H	3	0.1
(2,1007)	1:127:A:ALA:H	1:139:A:GLU:H	4	0.1
(2,994)	1:172:A:THR:H	1:172:A:THR:HG21	3	0.1
(2,994)	1:172:A:THR:H	1:172:A:THR:HG22	3	0.1
(2,994)	1:172:A:THR:H	1:172:A:THR:HG23	3	0.1
(2,737)	1:76:A:ASN:HA	1:79:A:VAL:H	20	0.1
(2,723)	1:145:A:GLN:H	1:146:A:GLN:H	13	0.1
(2,690)	1:20:A:GLU:H	1:21:A:LEU:H	8	0.1
(2,687)	1:62:A:ALA:H	1:61:A:ASN:H	9	0.1
(2,640)	1:72:A:ARG:HG2	1:72:A:ARG:H	2	0.1
(2,639)	1:72:A:ARG:HB3	1:72:A:ARG:H	13	0.1
(2,543)	1:84:A:VAL:HA	1:83:A:GLU:H	18	0.1
(2,446)	1:60:A:GLU:H	1:55:A:PRO:HB3	8	0.1
(2,423)	1:76:A:ASN:H	1:77:A:LEU:H	10	0.1
(2,423)	1:76:A:ASN:H	1:77:A:LEU:H	17	0.1
(2,363)	1:86:A:LEU:H	1:85:A:LYS:HE3	12	0.1
(2,363)	1:86:A:LEU:H	1:85:A:LYS:HE2	12	0.1
(2,203)	1:62:A:ALA:H	1:63:A:ASP:HA	12	0.1
(2,201)	1:62:A:ALA:H	1:61:A:ASN:H	3	0.1
(2,201)	1:62:A:ALA:H	1:61:A:ASN:H	13	0.1
(2,201)	1:62:A:ALA:H	1:61:A:ASN:H	19	0.1
(2,185)	1:68:A:ARG:H	1:67:A:VAL:HB	19	0.1
(2,87)	1:89:A:LEU:H	1:90:A:GLY:H	17	0.1
(2,54)	1:85:A:LYS:H	1:85:A:LYS:HD3	7	0.1
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	11	0.1
(2,53)	1:85:A:LYS:H	1:85:A:LYS:HB3	20	0.1
(1,638)	1:27:A:ILE:H	1:27:A:ILE:HG12	16	0.1
(1,606)	1:38:A:GLN:HE22	1:38:A:GLN:HB2	19	0.1
(1,535)	1:51:A:MET:H	1:46:A:SER:HB2	4	0.1
(1,519)	1:35:A:VAL:H	1:34:A:MET:HB2	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:35:A:VAL:H	1:34:A:MET:HB2	14	0.1
(1,452)	1:28:A:LEU:HB2	1:56:A:VAL:HB	3	0.1
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	5	0.1
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	5	0.1
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD1	9	0.1
(1,442)	1:39:A:ARG:HB3	1:29:A:TYR:HD2	9	0.1
(1,410)	1:49:A:MET:HE1	1:49:A:MET:HG3	1	0.1
(1,410)	1:49:A:MET:HE2	1:49:A:MET:HG3	1	0.1
(1,410)	1:49:A:MET:HE3	1:49:A:MET:HG3	1	0.1
(1,408)	1:49:A:MET:HE1	1:48:A:TYR:HA	4	0.1
(1,408)	1:49:A:MET:HE2	1:48:A:TYR:HA	4	0.1
(1,408)	1:49:A:MET:HE3	1:48:A:TYR:HA	4	0.1
(1,404)	1:49:A:MET:HE1	1:48:A:TYR:H	13	0.1
(1,404)	1:49:A:MET:HE2	1:48:A:TYR:H	13	0.1
(1,404)	1:49:A:MET:HE3	1:48:A:TYR:H	13	0.1
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE1	7	0.1
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE2	7	0.1
(1,376)	1:35:A:VAL:HG11	1:34:A:MET:HE3	7	0.1
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE1	7	0.1
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE2	7	0.1
(1,376)	1:35:A:VAL:HG12	1:34:A:MET:HE3	7	0.1
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE1	7	0.1
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE2	7	0.1
(1,376)	1:35:A:VAL:HG13	1:34:A:MET:HE3	7	0.1
(1,339)	1:52:A:PRO:HA	1:52:A:PRO:HG3	9	0.1
(1,327)	1:45:A:LYS:HA	1:45:A:LYS:HD3	7	0.1
(1,265)	1:27:A:ILE:HD11	1:58:A:GLU:HG3	17	0.1
(1,265)	1:27:A:ILE:HD12	1:58:A:GLU:HG3	17	0.1
(1,265)	1:27:A:ILE:HD13	1:58:A:GLU:HG3	17	0.1
(1,196)	1:35:A:VAL:HG21	1:36:A:PRO:HD2	12	0.1
(1,196)	1:35:A:VAL:HG22	1:36:A:PRO:HD2	12	0.1
(1,196)	1:35:A:VAL:HG23	1:36:A:PRO:HD2	12	0.1
(1,184)	1:61:A:ASN:HA	1:61:A:ASN:HB2	10	0.1
(1,80)	1:49:A:MET:H	1:47:A:PRO:HA	20	0.1
(1,54)	1:31:A:ARG:H	1:40:A:PHE:HD1	9	0.1
(1,54)	1:31:A:ARG:H	1:40:A:PHE:HD2	9	0.1
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD1	5	0.1
(1,34)	1:58:A:GLU:H	1:57:A:TYR:HD2	5	0.1
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE1	14	0.1
(1,4)	1:38:A:GLN:HB2	1:40:A:PHE:HE2	14	0.1

10 Dihedral-angle violation analysis

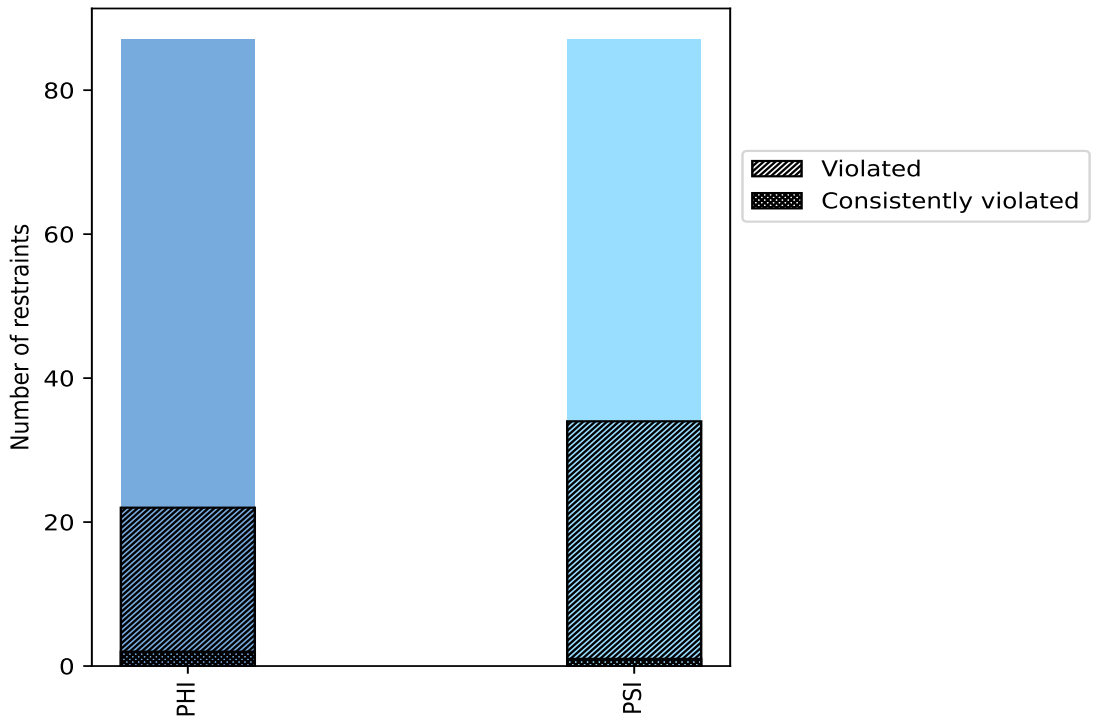
10.1 Summary of dihedral-angle violations

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]
PHI	87	50.0	22	25.3	12.6	2	2.3	1.1
PSI	87	50.0	34	39.1	19.5	1	1.1	0.6
Total	174	100.0	56	32.2	32.2	3	1.7	1.7

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



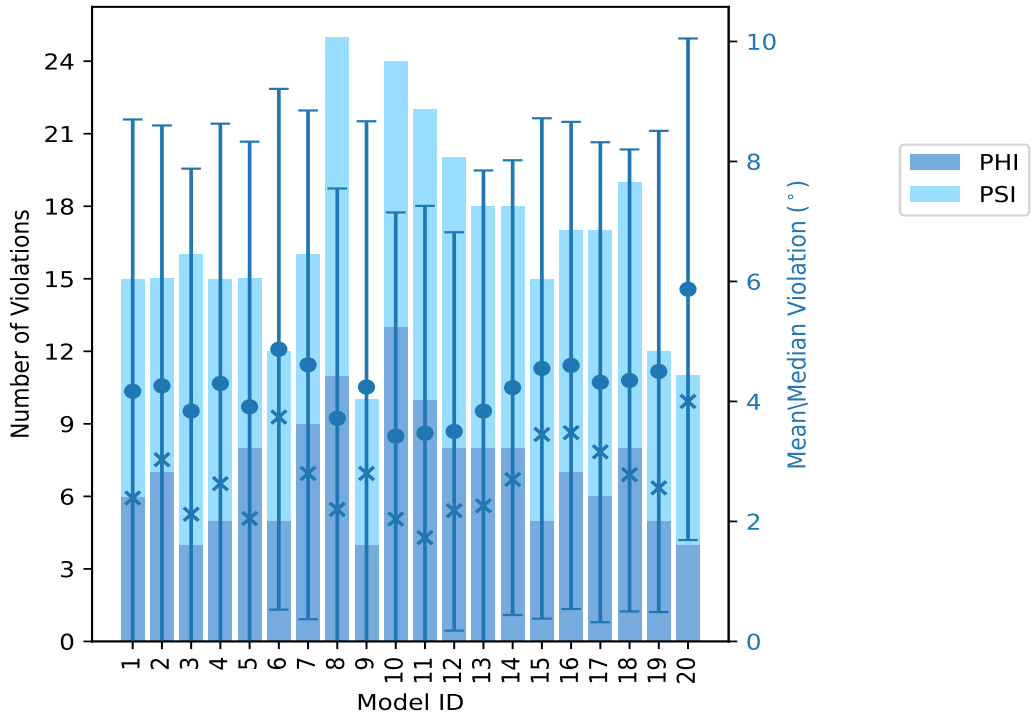
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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 (°)
	PHI	PSI	Total				
1	6	9	15	4.17	15.54	4.53	2.39
2	7	8	15	4.26	15.22	4.34	3.03
3	4	12	16	3.84	15.1	4.04	2.12
4	5	10	15	4.3	15.01	4.33	2.63
5	8	7	15	3.91	15.47	4.42	2.05
6	5	7	12	4.87	14.95	4.34	3.74
7	9	7	16	4.61	15.97	4.24	2.8
8	11	14	25	3.72	16.11	3.83	2.2
9	4	6	10	4.24	16.94	4.43	2.8
10	13	11	24	3.42	15.37	3.73	2.04
11	10	12	22	3.47	15.66	3.79	1.73
12	8	12	20	3.5	16.36	3.32	2.18
13	8	10	18	3.84	14.96	4.01	2.26
14	8	10	18	4.23	14.81	3.79	2.7
15	5	10	15	4.55	15.28	4.17	3.45
16	7	10	17	4.6	14.99	4.06	3.48
17	6	11	17	4.32	15.1	4.0	3.16
18	8	11	19	4.35	14.72	3.85	2.78
19	5	7	12	4.5	13.88	4.01	2.56
20	4	7	11	5.87	13.62	4.18	4.0

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	
PHI	PSI	Total	Count[1]	%
3	13	16	1	5.0
4	4	8	2	10.0
4	1	5	3	15.0
2	3	5	4	20.0
0	0	0	5	25.0
2	2	4	6	30.0
1	1	2	7	35.0
0	2	2	8	40.0
0	0	0	9	45.0
2	0	2	10	50.0
0	3	3	11	55.0

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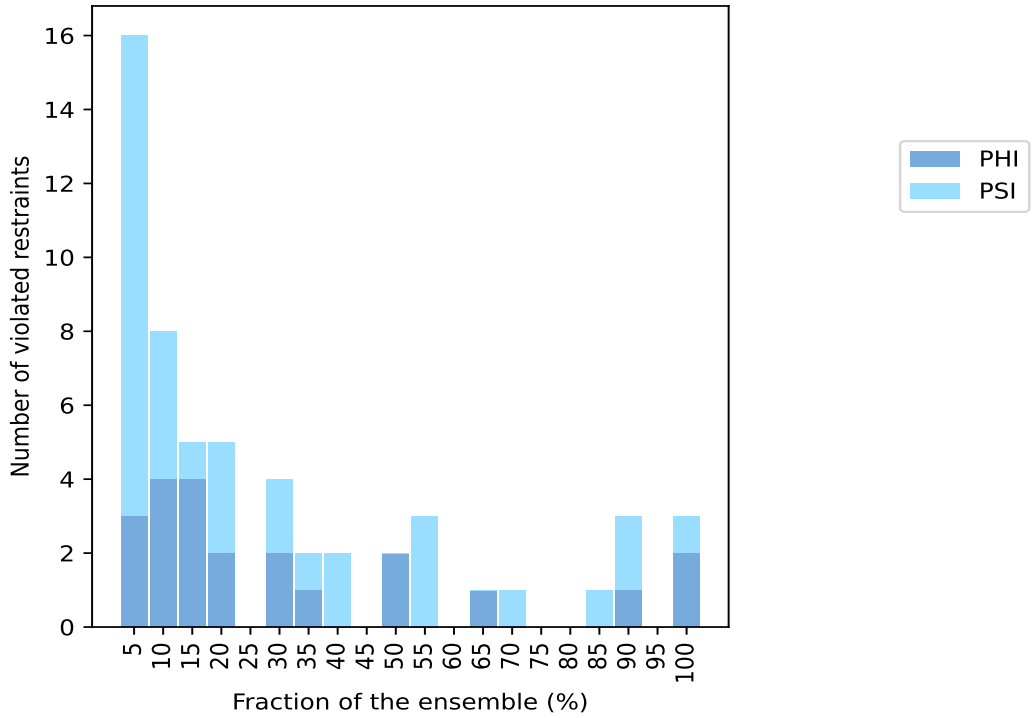
Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
0	0	0	12	60.0
1	0	1	13	65.0
0	1	1	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	1	1	17	85.0
1	2	3	18	90.0
0	0	0	19	95.0
2	1	3	20	100.0

[1] Number of models with violations

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

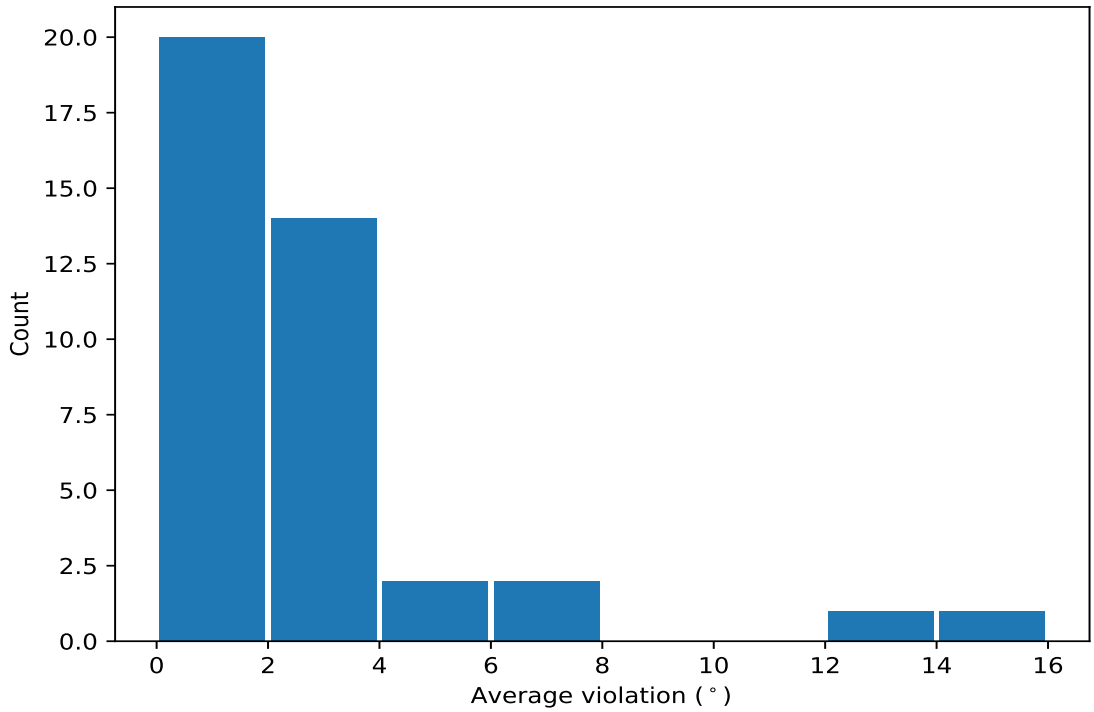


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	20	15.23	0.76	15.16
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	20	12.82	2.82	13.6
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	20	4.42	1.06	4.48
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	18	3.87	0.96	3.8
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	18	3.03	1.25	2.85
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	18	2.44	0.78	2.49
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	17	2.2	0.73	2.05
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	14	2.11	0.8	2.12
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	13	1.64	0.46	1.47
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	11	6.46	1.32	6.92
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	11	4.99	1.41	5.48
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	11	1.82	0.73	1.66
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	10	6.24	1.06	6.37
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	10	1.71	0.38	1.64
(1,22)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	8	1.79	0.47	1.76
(1,32)	1:52:A:PRO:N	1:52:A:PRO:CA	1:52:A:PRO:C	1:53:A:LEU:N	8	1.64	0.36	1.63
(1,58)	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	1:90:A:GLY:N	7	3.78	1.08	3.7
(1,63)	1:92:A:THR:C	1:93:A:GLU:N	1:93:A:GLU:CA	1:93:A:GLU:C	7	2.25	0.86	2.23
(1,29)	1:50:A:ASP:C	1:51:A:MET:N	1:51:A:MET:CA	1:51:A:MET:C	6	3.02	1.54	2.8
(1,163)	1:155:A:ILE:C	1:156:A:ASP:N	1:156:A:ASP:CA	1:156:A:ASP:C	6	2.58	1.26	2.11

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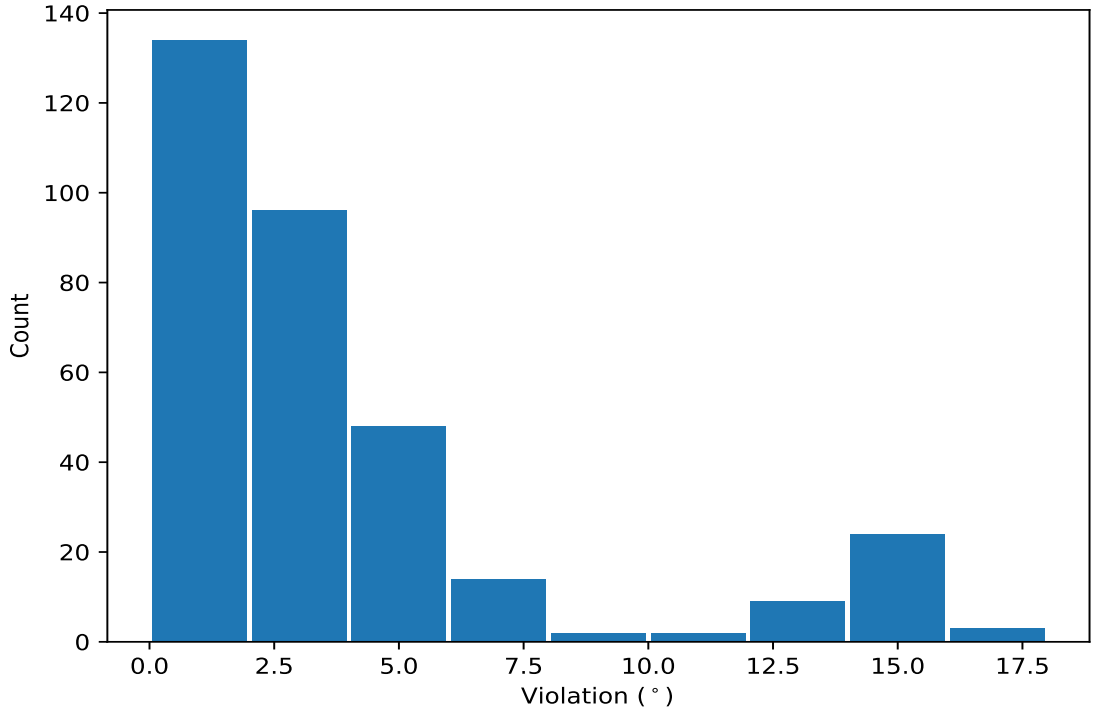
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,82)	1:103:A:ILE:N	1:103:A:ILE:CA	1:103:A:ILE:C	1:104:A:ARG:N	6	1.72	0.67	1.46
(1,56)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:LEU:N	6	1.49	0.32	1.44
(1,14)	1:38:A:GLN:N	1:38:A:GLN:CA	1:38:A:GLN:C	1:39:A:ARG:N	4	2.42	0.89	2.39
(1,8)	1:33:A:PRO:N	1:33:A:PRO:CA	1:33:A:PRO:C	1:34:A:MET:N	4	1.98	0.87	1.49
(1,85)	1:104:A:ARG:C	1:105:A:THR:N	1:105:A:THR:CA	1:105:A:THR:C	4	1.85	0.6	1.79
(1,46)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:GLU:N	4	1.59	0.24	1.66
(1,77)	1:99:A:SER:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	4	1.27	0.15	1.28
(1,158)	1:146:A:GLN:N	1:146:A:GLN:CA	1:146:A:GLN:C	1:147:A:VAL:N	3	1.76	0.6	1.65
(1,115)	1:122:A:PRO:C	1:123:A:VAL:N	1:123:A:VAL:CA	1:123:A:VAL:C	3	1.62	0.56	1.39
(1,41)	1:79:A:VAL:C	1:80:A:ARG:N	1:80:A:ARG:CA	1:80:A:ARG:C	3	1.51	0.51	1.22
(1,51)	1:84:A:VAL:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	3	1.45	0.34	1.27
(1,155)	1:144:A:GLY:C	1:145:A:GLN:N	1:145:A:GLN:CA	1:145:A:GLN:C	3	1.16	0.09	1.17
(1,164)	1:156:A:ASP:N	1:156:A:ASP:CA	1:156:A:ASP:C	1:157:A:SER:N	2	3.44	2.4	3.44
(1,162)	1:149:A:VAL:N	1:149:A:VAL:CA	1:149:A:VAL:C	1:150:A:SER:N	2	2.58	1.21	2.58
(1,54)	1:86:A:LEU:N	1:86:A:LEU:CA	1:86:A:LEU:C	1:87:A:GLY:N	2	2.47	0.46	2.47
(1,43)	1:80:A:ARG:C	1:81:A:THR:N	1:81:A:THR:CA	1:81:A:THR:C	2	2.0	0.4	2.0
(1,124)	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	1:128:A:GLY:N	2	1.92	0.36	1.92
(1,57)	1:88:A:ARG:C	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	2	1.8	0.13	1.8
(1,173)	1:160:A:SER:C	1:161:A:LEU:N	1:161:A:LEU:CA	1:161:A:LEU:C	2	1.35	0.26	1.35
(1,59)	1:90:A:GLY:C	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	2	1.22	0.1	1.22

[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

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 (°)
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	9	16.94
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	12	16.36
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	8	16.11
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	7	15.97
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	11	15.66
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	1	15.54
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	5	15.47
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	10	15.37
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	15	15.28
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	2	15.22
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	3	15.1
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	17	15.1
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1	15.07
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	4	15.01
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	16	14.99
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	13	14.96
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	6	14.95
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	14	14.81
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	2	14.78
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	18	14.72
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	13	14.61

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	10	14.57
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	4	14.57
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	5	14.33
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	8	14.27
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	15	14.14
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	7	14.05
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	19	13.88
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	18	13.73
(1,126)	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1:129:A:ALA:N	20	13.62
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	16	13.47
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	6	13.41
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	17	13.24
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	3	12.89
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	11	12.89
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	20	12.82
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	19	11.93
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	14	11.58
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	20	8.46
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	20	8.0
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	14	7.61
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	16	7.34
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	18	7.33
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	4	7.19
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	16	7.08
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	8	7.02
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	8	6.92
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	11	6.92
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	14	6.86
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	17	6.49
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	18	6.44
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	20	6.31
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	11	6.3
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	12	6.25
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	7	5.99
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	14	5.95
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	18	5.94
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	16	5.91
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	1	5.9
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	17	5.9
(1,164)	1:156:A:ASP:N	1:156:A:ASP:CA	1:156:A:ASP:C	1:157:A:SER:N	8	5.85
(1,58)	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	1:90:A:GLY:N	15	5.54
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	13	5.52
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	8	5.51
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	12	5.51
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	17	5.49
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	7	5.48
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	7	5.37
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	18	5.32
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	10	5.23
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	14	5.2
(1,29)	1:50:A:ASP:C	1:51:A:MET:N	1:51:A:MET:CA	1:51:A:MET:C	19	5.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	7	5.18
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	19	5.18
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	9	4.93
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	10	4.92
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	11	4.87
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	3	4.84
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	10	4.81
(1,58)	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	1:90:A:GLY:N	2	4.81
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	12	4.76
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	6	4.75
(1,163)	1:155:A:ILE:C	1:156:A:ASP:N	1:156:A:ASP:CA	1:156:A:ASP:C	16	4.73
(1,127)	1:128:A:GLY:C	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	12	4.72
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	17	4.63
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	3	4.59
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	5	4.56
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	6	4.56
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	16	4.54
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	19	4.5
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	15	4.49
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	9	4.46
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	16	4.46
(1,29)	1:50:A:ASP:C	1:51:A:MET:N	1:51:A:MET:CA	1:51:A:MET:C	9	4.44
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	1	4.21
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	15	4.21
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	18	4.19
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	8	4.18
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	10	4.17
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	6	4.14
(1,58)	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	1:90:A:GLY:N	6	4.08
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	20	4.0
(1,61)	1:91:A:SER:C	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	10	3.97
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	2	3.95
(1,29)	1:50:A:ASP:C	1:51:A:MET:N	1:51:A:MET:CA	1:51:A:MET:C	7	3.89
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	8	3.88
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	12	3.88
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	15	3.82
(1,163)	1:155:A:ILE:C	1:156:A:ASP:N	1:156:A:ASP:CA	1:156:A:ASP:C	2	3.8
(1,162)	1:149:A:VAL:N	1:149:A:VAL:CA	1:149:A:VAL:C	1:150:A:SER:N	14	3.79
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	13	3.79
(1,172)	1:160:A:SER:N	1:160:A:SER:CA	1:160:A:SER:C	1:161:A:LEU:N	20	3.78
(1,63)	1:92:A:THR:C	1:93:A:GLU:N	1:93:A:GLU:CA	1:93:A:GLU:C	12	3.77
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	5	3.74
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	12	3.72
(1,58)	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	1:90:A:GLY:N	3	3.7
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	13	3.66
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	17	3.65
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	2	3.64
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	14	3.63
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	17	3.61
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	15	3.55
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	5	3.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	16	3.48
(1,8)	1:33:A:PRO:N	1:33:A:PRO:CA	1:33:A:PRO:C	1:34:A:MET:N	3	3.48
(1,14)	1:38:A:GLN:N	1:38:A:GLN:CA	1:38:A:GLN:C	1:39:A:ARG:N	18	3.46
(1,60)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:THR:N	15	3.45
(1,58)	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	1:90:A:GLY:N	13	3.43
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	10	3.4
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	15	3.4
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	6	3.39
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	18	3.34
(1,82)	1:103:A:ILE:N	1:103:A:ILE:CA	1:103:A:ILE:C	1:104:A:ARG:N	17	3.16
(1,168)	1:158:A:GLU:N	1:158:A:GLU:CA	1:158:A:GLU:C	1:159:A:ALA:N	10	3.15
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	4	3.15
(1,14)	1:38:A:GLN:N	1:38:A:GLN:CA	1:38:A:GLN:C	1:39:A:ARG:N	4	3.12
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	11	3.11
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	8	3.05
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	2	3.04
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	2	3.03
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	1	3.01
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	4	2.99
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	7	2.96
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	3	2.96
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	13	2.95
(1,54)	1:86:A:LEU:N	1:86:A:LEU:CA	1:86:A:LEU:C	1:87:A:GLY:N	17	2.93
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	11	2.92
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	9	2.92
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	19	2.91
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	20	2.84
(1,63)	1:92:A:THR:C	1:93:A:GLU:N	1:93:A:GLU:CA	1:93:A:GLU:C	14	2.83
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	12	2.83
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	4	2.8
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	18	2.78
(1,85)	1:104:A:ARG:C	1:105:A:THR:N	1:105:A:THR:CA	1:105:A:THR:C	11	2.76
(1,63)	1:92:A:THR:C	1:93:A:GLU:N	1:93:A:GLU:CA	1:93:A:GLU:C	18	2.7
(1,58)	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	1:90:A:GLY:N	9	2.68
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	6	2.67
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	7	2.64
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	4	2.63
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	1	2.63
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	14	2.57
(1,123)	1:126:A:LYS:C	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	8	2.56
(1,158)	1:146:A:GLN:N	1:146:A:GLN:CA	1:146:A:GLN:C	1:147:A:VAL:N	1	2.54
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	7	2.54
(1,108)	1:118:A:GLY:N	1:118:A:GLY:CA	1:118:A:GLY:C	1:119:A:GLY:N	12	2.45
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	4	2.44
(1,22)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	14	2.41
(1,43)	1:80:A:ARG:C	1:81:A:THR:N	1:81:A:THR:CA	1:81:A:THR:C	8	2.4
(1,115)	1:122:A:PRO:C	1:123:A:VAL:N	1:123:A:VAL:CA	1:123:A:VAL:C	13	2.39
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	1	2.39
(1,22)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	6	2.38
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	15	2.36
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	1	2.32

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	10	2.32
(1,32)	1:52:A:PRO:N	1:52:A:PRO:CA	1:52:A:PRO:C	1:53:A:LEU:N	13	2.3
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	5	2.29
(1,124)	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	1:128:A:GLY:N	4	2.28
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	3	2.27
(1,163)	1:155:A:ILE:C	1:156:A:ASP:N	1:156:A:ASP:CA	1:156:A:ASP:C	10	2.26
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	16	2.24
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	13	2.23
(1,63)	1:92:A:THR:C	1:93:A:GLU:N	1:93:A:GLU:CA	1:93:A:GLU:C	10	2.23
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	15	2.22
(1,41)	1:79:A:VAL:C	1:80:A:ARG:N	1:80:A:ARG:CA	1:80:A:ARG:C	5	2.22
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	8	2.21
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	8	2.2
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	19	2.2
(1,58)	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	1:90:A:GLY:N	19	2.19
(1,106)	1:117:A:GLU:N	1:117:A:GLU:CA	1:117:A:GLU:C	1:118:A:GLY:N	13	2.11
(1,44)	1:81:A:THR:N	1:81:A:THR:CA	1:81:A:THR:C	1:82:A:ALA:N	19	2.1
(1,22)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	8	2.09
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	16	2.06
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	2	2.06
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	5	2.05
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	13	2.02
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	2	2.02
(1,54)	1:86:A:LEU:N	1:86:A:LEU:CA	1:86:A:LEU:C	1:87:A:GLY:N	18	2.01
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	18	1.99
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	3	1.98
(1,163)	1:155:A:ILE:C	1:156:A:ASP:N	1:156:A:ASP:CA	1:156:A:ASP:C	11	1.97
(1,32)	1:52:A:PRO:N	1:52:A:PRO:CA	1:52:A:PRO:C	1:53:A:LEU:N	15	1.97
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	1	1.94
(1,57)	1:88:A:ARG:C	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	4	1.93
(1,51)	1:84:A:VAL:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	18	1.93
(1,56)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:LEU:N	12	1.91
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	3	1.89
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	20	1.89
(1,85)	1:104:A:ARG:C	1:105:A:THR:N	1:105:A:THR:CA	1:105:A:THR:C	13	1.87
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	4	1.87
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	9	1.85
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	10	1.84
(1,56)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:LEU:N	17	1.84
(1,46)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:GLU:N	15	1.84
(1,22)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	3	1.84
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	7	1.82
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	12	1.82
(1,32)	1:52:A:PRO:N	1:52:A:PRO:CA	1:52:A:PRO:C	1:53:A:LEU:N	2	1.82
(1,66)	1:94:A:ARG:N	1:94:A:ARG:CA	1:94:A:ARG:C	1:95:A:LEU:N	4	1.8
(1,32)	1:52:A:PRO:N	1:52:A:PRO:CA	1:52:A:PRO:C	1:53:A:LEU:N	12	1.78
(1,125)	1:127:A:ALA:C	1:128:A:GLY:N	1:128:A:GLY:CA	1:128:A:GLY:C	11	1.77
(1,82)	1:103:A:ILE:N	1:103:A:ILE:CA	1:103:A:ILE:C	1:104:A:ARG:N	11	1.76
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	7	1.76
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	2	1.75
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	12	1.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	14	1.72
(1,85)	1:104:A:ARG:C	1:105:A:THR:N	1:105:A:THR:CA	1:105:A:THR:C	5	1.71
(1,29)	1:50:A:ASP:C	1:51:A:MET:N	1:51:A:MET:CA	1:51:A:MET:C	6	1.71
(1,46)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:GLU:N	11	1.7
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	11	1.7
(1,63)	1:92:A:THR:C	1:93:A:GLU:N	1:93:A:GLU:CA	1:93:A:GLU:C	5	1.69
(1,22)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	11	1.69
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	8	1.68
(1,57)	1:88:A:ARG:C	1:89:A:LEU:N	1:89:A:LEU:CA	1:89:A:LEU:C	5	1.67
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	13	1.66
(1,14)	1:38:A:GLN:N	1:38:A:GLN:CA	1:38:A:GLN:C	1:39:A:ARG:N	12	1.66
(1,158)	1:146:A:GLN:N	1:146:A:GLN:CA	1:146:A:GLN:C	1:147:A:VAL:N	20	1.65
(1,22)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	7	1.65
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	13	1.65
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	4	1.64
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	11	1.64
(1,56)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:LEU:N	11	1.64
(1,46)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:GLU:N	2	1.62
(1,173)	1:160:A:SER:C	1:161:A:LEU:N	1:161:A:LEU:CA	1:161:A:LEU:C	7	1.6
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	10	1.6
(1,43)	1:80:A:ARG:C	1:81:A:THR:N	1:81:A:THR:CA	1:81:A:THR:C	10	1.59
(1,29)	1:50:A:ASP:C	1:51:A:MET:N	1:51:A:MET:CA	1:51:A:MET:C	12	1.58
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	9	1.57
(1,124)	1:127:A:ALA:N	1:127:A:ALA:CA	1:127:A:ALA:C	1:128:A:GLY:N	8	1.56
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	13	1.56
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	12	1.55
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	10	1.51
(1,8)	1:33:A:PRO:N	1:33:A:PRO:CA	1:33:A:PRO:C	1:34:A:MET:N	5	1.5
(1,82)	1:103:A:ILE:N	1:103:A:ILE:CA	1:103:A:ILE:C	1:104:A:ARG:N	16	1.49
(1,1)	1:27:A:ILE:C	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	17	1.49
(1,163)	1:155:A:ILE:C	1:156:A:ASP:N	1:156:A:ASP:CA	1:156:A:ASP:C	1	1.48
(1,32)	1:52:A:PRO:N	1:52:A:PRO:CA	1:52:A:PRO:C	1:53:A:LEU:N	1	1.48
(1,8)	1:33:A:PRO:N	1:33:A:PRO:CA	1:33:A:PRO:C	1:34:A:MET:N	19	1.48
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	16	1.47
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	18	1.46
(1,8)	1:33:A:PRO:N	1:33:A:PRO:CA	1:33:A:PRO:C	1:34:A:MET:N	16	1.46
(1,77)	1:99:A:SER:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	12	1.45
(1,63)	1:92:A:THR:C	1:93:A:GLU:N	1:93:A:GLU:CA	1:93:A:GLU:C	7	1.45
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	17	1.44
(1,42)	1:80:A:ARG:N	1:80:A:ARG:CA	1:80:A:ARG:C	1:81:A:THR:N	8	1.44
(1,82)	1:103:A:ILE:N	1:103:A:ILE:CA	1:103:A:ILE:C	1:104:A:ARG:N	5	1.43
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	11	1.43
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	5	1.42
(1,14)	1:38:A:GLN:N	1:38:A:GLN:CA	1:38:A:GLN:C	1:39:A:ARG:N	1	1.42
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	8	1.41
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	7	1.4
(1,115)	1:122:A:PRO:C	1:123:A:VAL:N	1:123:A:VAL:CA	1:123:A:VAL:C	8	1.39
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	18	1.39
(1,77)	1:99:A:SER:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	18	1.38
(1,40)	1:56:A:VAL:N	1:56:A:VAL:CA	1:56:A:VAL:C	1:57:A:TYR:N	19	1.37
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	14	1.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,162)	1:149:A:VAL:N	1:149:A:VAL:CA	1:149:A:VAL:C	1:150:A:SER:N	10	1.36
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	6	1.36
(1,110)	1:120:A:PHE:N	1:120:A:PHE:CA	1:120:A:PHE:C	1:121:A:ASP:N	8	1.36
(1,32)	1:52:A:PRO:N	1:52:A:PRO:CA	1:52:A:PRO:C	1:53:A:LEU:N	11	1.36
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	1	1.32
(1,59)	1:90:A:GLY:C	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	9	1.32
(1,29)	1:50:A:ASP:C	1:51:A:MET:N	1:51:A:MET:CA	1:51:A:MET:C	2	1.32
(1,62)	1:92:A:THR:N	1:92:A:THR:CA	1:92:A:THR:C	1:93:A:GLU:N	3	1.31
(1,170)	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	1:160:A:SER:N	18	1.3
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	16	1.3
(1,82)	1:103:A:ILE:N	1:103:A:ILE:CA	1:103:A:ILE:C	1:104:A:ARG:N	8	1.28
(1,155)	1:144:A:GLY:C	1:145:A:GLN:N	1:145:A:GLN:CA	1:145:A:GLN:C	1	1.27
(1,51)	1:84:A:VAL:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	10	1.27
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	9	1.26
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	18	1.25
(1,56)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:LEU:N	14	1.25
(1,32)	1:52:A:PRO:N	1:52:A:PRO:CA	1:52:A:PRO:C	1:53:A:LEU:N	14	1.25
(1,163)	1:155:A:ILE:C	1:156:A:ASP:N	1:156:A:ASP:CA	1:156:A:ASP:C	8	1.24
(1,22)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	17	1.23
(1,41)	1:79:A:VAL:C	1:80:A:ARG:N	1:80:A:ARG:CA	1:80:A:ARG:C	17	1.22
(1,82)	1:103:A:ILE:N	1:103:A:ILE:CA	1:103:A:ILE:C	1:104:A:ARG:N	13	1.21
(1,46)	1:82:A:ALA:N	1:82:A:ALA:CA	1:82:A:ALA:C	1:83:A:GLU:N	3	1.2
(1,32)	1:52:A:PRO:N	1:52:A:PRO:CA	1:52:A:PRO:C	1:53:A:LEU:N	16	1.2
(1,77)	1:99:A:SER:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	8	1.19
(1,155)	1:144:A:GLY:C	1:145:A:GLN:N	1:145:A:GLN:CA	1:145:A:GLN:C	13	1.17
(1,56)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:LEU:N	20	1.17
(1,51)	1:84:A:VAL:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	14	1.16
(1,161)	1:148:A:VAL:C	1:149:A:VAL:N	1:149:A:VAL:CA	1:149:A:VAL:C	10	1.15
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	3	1.14
(1,128)	1:129:A:ALA:N	1:129:A:ALA:CA	1:129:A:ALA:C	1:130:A:THR:N	10	1.12
(1,98)	1:112:A:MET:N	1:112:A:MET:CA	1:112:A:MET:C	1:113:A:VAL:N	12	1.12
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	19	1.12
(1,59)	1:90:A:GLY:C	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	3	1.12
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	11	1.12
(1,56)	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1:89:A:LEU:N	8	1.11
(1,89)	1:106:A:GLY:C	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	14	1.1
(1,173)	1:160:A:SER:C	1:161:A:LEU:N	1:161:A:LEU:CA	1:161:A:LEU:C	2	1.09
(1,115)	1:122:A:PRO:C	1:123:A:VAL:N	1:123:A:VAL:CA	1:123:A:VAL:C	10	1.09
(1,158)	1:146:A:GLN:N	1:146:A:GLN:CA	1:146:A:GLN:C	1:147:A:VAL:N	4	1.08
(1,63)	1:92:A:THR:C	1:93:A:GLU:N	1:93:A:GLU:CA	1:93:A:GLU:C	11	1.08
(1,41)	1:79:A:VAL:C	1:80:A:ARG:N	1:80:A:ARG:CA	1:80:A:ARG:C	11	1.08
(1,174)	1:161:A:LEU:N	1:161:A:LEU:CA	1:161:A:LEU:C	1:162:A:ARG:N	17	1.07
(1,102)	1:114:A:ALA:N	1:114:A:ALA:CA	1:114:A:ALA:C	1:115:A:LYS:N	12	1.07
(1,85)	1:104:A:ARG:C	1:105:A:THR:N	1:105:A:THR:CA	1:105:A:THR:C	6	1.07
(1,77)	1:99:A:SER:C	1:100:A:GLU:N	1:100:A:GLU:CA	1:100:A:GLU:C	10	1.07
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	5	1.07
(1,165)	1:156:A:ASP:C	1:157:A:SER:N	1:157:A:SER:CA	1:157:A:SER:C	10	1.06
(1,68)	1:95:A:LEU:N	1:95:A:LEU:CA	1:95:A:LEU:C	1:96:A:LEU:N	16	1.06
(1,155)	1:144:A:GLY:C	1:145:A:GLN:N	1:145:A:GLN:CA	1:145:A:GLN:C	8	1.05
(1,90)	1:107:A:ALA:N	1:107:A:ALA:CA	1:107:A:ALA:C	1:108:A:ARG:N	3	1.05
(1,164)	1:156:A:ASP:N	1:156:A:ASP:CA	1:156:A:ASP:C	1:157:A:SER:N	10	1.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	14	1.04
(1,70)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	17	1.03
(1,19)	1:40:A:PHE:C	1:41:A:ASP:N	1:41:A:ASP:CA	1:41:A:ASP:C	15	1.03
(1,16)	1:39:A:ARG:N	1:39:A:ARG:CA	1:39:A:ARG:C	1:40:A:PHE:N	11	1.03
(1,22)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	15	1.01